TABLE
FOR MEASURING
HEWN TIMBER,
AND OCTAGONAL-SIDED
COLUMNS

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TABLE

SHOWING

THE SOLIDITY

OF

HEWN OR EIGHT-SIDED TIMBER,

OR OF ANY

OCTAGONAL-SIDED COLUMN,

COMPILED FOR THE ACCOMMODATION

OF

TIMBER-GROWERS, MERCHANTS, AND SURVEYORS,
STONE-MASONS, ARCHITECTS,

AND OTHERS.

By RICHARD HORTON.

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INTRODUCTION.

The Author having recently issued a Set of Tables, entitled "Horton's Timber, Stone, and Superficial Measurer," wherein a Table is embraced for the measurement of Hewn Timber and Octagonal-sided Columns according to the width of one of their sides; but as some persons calculate the quantity of Octagonal-sided Timber and such shaped bodies by their thickness in the middle of their length, instead of by the width of the side, he conceives it incumbent upon him to compile this Table, to show the solidity of Hewn Timber, &c., according to the thickness of the middle, as an addendum to his Measurer, that whichever mode of measurement is adopted by respective parties, there may be a Table to coincide with it.

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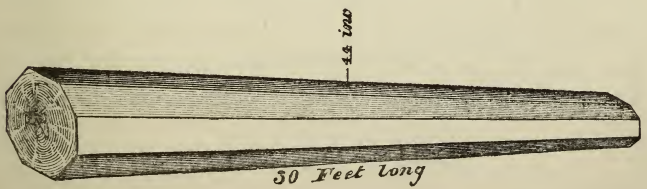
TABLE

SHOWING THE SOLID MEASURE OF HEWN OR EIGHT-SIDED TIMBER, STONE, ETC.

To effect the computation of the solidity of any piece of hewn timber according to its thickness, the length of the tree or column must be taken in feet with a tape or rule in the usual manner, and the diameter or thickness must be taken in inches in the middle of such length, from one of its sides to its opposite side, with a pair of Callipers (*i.e.* bow compasses). When these dimensions are obtained, reference must be made to the top of the table for the thickness, and then the eye carried down the column containing such thickness till it arrives at the required solidity, found opposite to the length of the timber standing in the outside columns of the page.

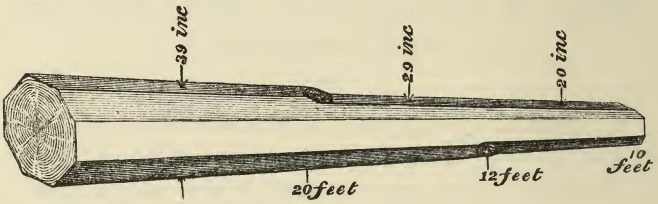
For instance, the content of a hewn tree is required which is thirty feet long and forty-four inches thick, according to the contiguous Diagram.



Referring to the top of the page for forty-four inches, there is seen in the column beneath it, and standing

opposite to the length thirty feet, 334 ft. 1 in. 7 pa. as the solidity of such tree or pillar.

In case the tree is irregular in its thickness in consequence of sudden fluctuations in its growth, each length so varying in its thickness must be measured separately, in conformity with the following diagram, and the quantities of the several parts added together for the solid content of the tree.



Having obtained the several lengths and thicknesses as before directed, the following particulars are learnt from the table.

Length in Feet.	Thickness in Inches.	Solidity. Ft.	In.	Pa.
20	39	175	0	0
12	29	58	0	8
10	20	23	0	1
	Solidity of the tree	256	0	9

If the unlikelihood should ever arise that the thickness of any piece of timber or stone under measurement exceeds $60\frac{3}{4}$ inches, the limit of this table, refer to the top of the page for half the thickness; and the figures standing in the column below it, and opposite to the length of the article in question, multiply by four for its solidity.

FEET LONG.	ITS DIAMETER BEING 1 Inch.			1¼ Inch.			1½ Inch.			1¾ Inch.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	0	0	0	0	0	0	0	0	0	0	0	¼
½	0	0	0	0	0	0	0	0	0	0	0	1	½
¾	0	0	0	0	0	1	0	0	1	0	0	2	¾
1	0	0	0	0	0	1	0	0	1	0	0	2	1
2	0	0	1	0	0	2	0	0	3	0	0	5	2
3	0	0	2	0	0	3	0	0	5	0	0	7	3
4	0	0	3	0	0	5	0	0	7	0	0	10	4
5	0	0	4	0	0	6	0	0	9	0	1	0	5
6	0	0	4	0	0	7	0	0	11	0	1	3	6
7	0	0	5	0	0	9	0	1	1	0	1	5	7
8	0	0	6	0	0	10	0	1	2	0	1	8	8
9	0	0	7	0	0	11	0	1	4	0	1	10	9
10	0	0	8	0	1	0	0	1	6	0	2	1	10
11	0	0	9	0	1	2	0	1	8	0	2	3	11
12	0	0	9	0	1	3	0	1	10	0	2	6	12
13	0	0	10	0	1	4	0	2	0	0	2	8	13
14	0	0	11	0	1	6	0	2	2	0	2	11	14
15	0	1	0	0	1	7	0	2	3	0	3	2	15
16	0	1	1	0	1	8	0	2	5	0	3	4	16
17	0	1	2	0	1	10	0	2	7	0	3	7	17
18	0	1	2	0	1	11	0	2	9	0	3	9	18
19	0	1	3	0	2	0	0	2	11	0	4	0	19
20	0	1	4	0	2	1	0	3	1	0	4	2	20
21	0	1	5	0	2	3	0	3	3	0	4	5	21
22	0	1	6	0	2	4	0	3	5	0	4	7	22
23	0	1	7	0	2	5	0	3	6	0	4	10	23
24	0	1	7	0	2	7	0	3	8	0	5	0	24
25	0	1	8	0	2	8	0	3	10	0	5	3	25
26	0	1	9	0	2	9	0	4	0	0	5	5	26
27	0	1	10	0	2	10	0	4	2	0	5	8	27
28	0	1	11	0	3	0	0	4	4	0	5	11	28
29	0	2	0	0	3	1	0	4	6	0	6	1	29
30	0	2	0	0	3	2	0	4	7	0	6	4	30
31	0	2	1	0	3	4	0	4	9	0	6	6	31
32	0	2	2	0	3	5	0	4	11	0	6	9	32
33	0	2	3	0	3	6	0	5	1	0	6	11	33
34	0	2	4	0	3	8	0	5	3	0	7	2	34
35	0	2	5	0	3	9	0	5	5	0	7	4	35
36	0	2	5	0	3	10	0	5	7	0	7	7	36
37	0	2	6	0	3	11	0	5	8	0	7	9	37
38	0	2	7	0	4	1	0	5	10	0	8	0	38
39	0	2	8	0	4	2	0	6	0	0	8	2	39
40	0	2	9	0	4	3	0	6	2	0	8	5	40
41	0	2	9	0	4	5	0	6	4	0	8	8	41
42	0	2	10	0	4	6	0	6	6	0	8	10	42
43	0	2	11	0	4	7	0	6	8	0	9	1	43
44	0	3	0	0	4	8	0	6	10	0	9	3	44
45	0	3	1	0	4	10	0	6	11	0	9	6	45
46	0	3	2	0	4	11	0	7	1	0	9	8	46
47	0	3	2	0	5	0	0	7	3	0	9	11	47
48	0	3	3	0	5	2	0	7	5	0	10	1	48
49	0	3	4	0	5	3	0	7	7	0	10	4	49
50	0	3	5	0	5	4	0	7	9	0	10	6	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	2 Inches.			2¼ Inches.			2½ Inches.			2¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	0	0	0	0	1	0	0	1	0	0	1	¼
½	0	0	1	0	0	2	0	0	2	0	0	3	½
¾	0	0	2	0	0	3	0	0	3	0	0	4	¾
1	0	0	3	0	0	4	0	0	5	0	0	6	1
2	0	0	6	0	0	8	0	0	10	0	1	0	2
3	0	0	9	0	1	0	0	1	3	0	1	6	3
4	0	1	1	0	1	4	0	1	8	0	2	1	4
5	0	1	4	0	1	8	0	2	1	0	2	7	5
6	0	1	7	0	2	1	0	2	7	0	3	1	6
7	0	1	11	0	2	5	0	3	0	0	3	7	7
8	0	2	2	0	2	9	0	3	5	0	4	2	8
9	0	2	5	0	3	1	0	3	10	0	4	8	9
10	0	2	9	0	3	5	0	4	3	0	5	2	10
11	0	3	0	0	3	10	0	4	8	0	5	8	11
12	0	3	3	0	4	2	0	5	2	0	6	3	12
13	0	3	7	0	4	6	0	5	7	0	6	9	13
14	0	3	10	0	4	10	0	6	0	0	7	3	14
15	0	4	1	0	5	2	0	6	5	0	7	9	15
16	0	4	5	0	5	7	0	6	10	0	8	4	16
17	0	4	8	0	5	11	0	7	4	0	8	10	17
18	0	4	11	0	6	3	0	7	9	0	9	4	18
19	0	5	2	0	6	7	0	8	2	0	9	11	19
20	0	5	6	0	6	11	0	8	7	0	10	5	20
21	0	5	9	0	7	4	0	9	0	0	10	11	21
22	0	6	0	0	7	8	0	9	5	0	11	5	22
23	0	6	4	0	8	0	0	9	11	1	0	0	23
24	0	6	7	0	8	4	0	10	4	1	0	6	24
25	0	6	10	0	8	8	0	10	9	1	1	0	25
26	0	7	2	0	9	1	0	11	2	1	1	6	26
27	0	7	5	0	9	5	0	11	7	1	2	1	27
28	0	7	8	0	9	9	1	0	0	1	2	7	28
29	0	8	0	0	10	1	1	0	6	1	3	1	29
30	0	8	3	0	10	5	1	0	11	1	3	7	30
31	0	8	6	0	10	10	1	1	4	1	4	2	31
32	0	8	10	0	11	2	1	1	9	1	4	8	32
33	0	9	1	0	11	6	1	2	2	1	5	2	33
34	0	9	4	0	11	10	1	2	8	1	5	9	34
35	0	9	7	1	0	2	1	3	1	1	6	3	35
36	0	9	11	1	0	6	1	3	6	1	6	9	36
37	0	10	2	1	0	11	1	3	11	1	7	3	37
38	0	10	5	1	1	3	1	4	4	1	7	10	38
39	0	10	9	1	1	7	1	4	9	1	8	4	39
40	0	11	0	1	1	11	1	5	3	1	8	10	40
41	0	11	3	1	2	3	1	5	8	1	9	4	41
42	0	11	7	1	2	8	1	6	1	1	9	11	42
43	0	11	10	1	3	0	1	6	6	1	10	5	43
44	1	0	1	1	3	4	1	6	11	1	10	11	44
45	1	0	5	1	3	8	1	7	4	1	11	5	45
46	1	0	8	1	4	0	1	7	10	2	0	0	46
47	1	0	11	1	4	5	1	8	3	2	0	6	47
48	1	1	3	1	4	9	1	8	8	2	1	0	48
49	1	1	6	1	5	1	1	9	1	2	1	6	49
50	1	1	9	1	5	5	1	9	6	2	2	1	50

FEET LONG.	ITS DIAMETER BEING 3 Inches.			3¼ Inches.			3½ Inches.			3¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	0	1	0	0	2	0	0	2	0	0	2	¼
½	0	0	3	0	0	4	0	0	5	0	0	5	½
¾	0	0	5	0	0	6	0	0	7	0	0	8	¾
1	0	0	7	0	0	8	0	0	10	0	0	11	1
2	0	1	2	0	1	5	0	1	8	0	1	11	2
3	0	1	10	0	2	2	0	2	6	0	2	10	3
4	0	2	5	0	2	11	0	3	4	0	3	10	4
5	0	3	1	0	3	7	0	4	2	0	4	10	5
6	0	3	8	0	4	4	0	5	0	0	5	9	6
7	0	4	4	0	5	1	0	5	11	0	6	9	7
8	0	4	11	0	5	10	0	6	9	0	7	9	8
9	0	5	7	0	6	6	0	7	7	0	8	8	9
10	0	6	2	0	7	3	0	8	5	0	9	8	10
11	0	6	10	0	8	0	0	9	3	0	10	8	11
12	0	7	5	0	8	9	0	10	1	0	11	7	12
13	0	8	0	0	9	5	0	10	11	1	0	7	13
14	0	8	8	0	10	2	0	11	10	1	1	7	14
15	0	9	3	0	10	11	1	0	8	1	2	6	15
16	0	9	11	0	11	8	1	1	6	1	3	6	16
17	0	10	6	1	0	4	1	2	4	1	4	6	17
18	0	11	2	1	1	1	1	3	2	1	5	5	18
19	0	11	9	1	1	10	1	4	0	1	6	5	19
20	1	0	5	1	2	7	1	4	10	1	7	4	20
21	1	1	0	1	3	3	1	5	9	1	8	4	21
22	1	1	8	1	4	0	1	6	7	1	9	4	22
23	1	2	3	1	4	9	1	7	5	1	10	3	23
24	1	2	10	1	5	6	1	8	3	1	11	3	24
25	1	3	6	1	6	2	1	9	1	2	0	3	25
26	1	4	1	1	6	11	1	9	11	2	1	2	26
27	1	4	9	1	7	8	1	10	10	2	2	2	27
28	1	5	4	1	8	5	1	11	8	2	3	2	28
29	1	6	0	1	9	1	2	0	6	2	4	1	29
30	1	6	7	1	9	10	2	1	4	2	5	1	30
31	1	7	3	1	10	7	2	2	2	2	6	1	31
32	1	7	10	1	11	4	2	3	0	2	7	0	32
33	1	8	6	2	0	0	2	3	10	2	8	0	33
34	1	9	1	2	0	9	2	4	9	2	9	0	34
35	1	9	8	2	1	6	2	5	7	2	9	11	35
36	1	10	4	2	2	3	2	6	5	2	10	11	36
37	1	10	11	2	2	11	2	7	3	2	11	11	37
38	1	11	7	2	3	8	2	8	1	3	0	10	38
39	2	0	2	2	4	5	2	8	11	3	1	10	39
40	2	0	10	2	5	2	2	9	9	3	2	9	40
41	2	1	5	2	5	10	2	10	8	3	3	9	41
42	2	2	1	2	6	7	2	11	6	3	4	9	42
43	2	2	8	2	7	4	3	0	4	3	5	8	43
44	2	3	4	2	8	1	3	1	2	3	6	8	44
45	2	3	11	2	8	9	3	2	0	3	7	8	45
46	2	4	6	2	9	6	3	2	10	3	8	7	46
47	2	5	2	2	10	3	3	3	8	3	9	7	47
48	2	5	9	2	11	0	3	4	7	3	10	7	48
49	2	6	5	2	11	8	3	5	5	3	11	6	49
50	2	7	0	3	0	5	3	6	3	4	0	6	50

FEET LONG.	ITS DIAMETER BEING 4 Inches.			4¼ Inches.			4½ Inches.			4¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	0	3	0	0	3	0	0	4	0	0	4	¼
½	0	0	6	0	0	7	0	0	8	0	0	9	½
¾	0	0	10	0	0	11	0	1	0	0	1	2	¾
1	0	1	1	0	1	3	0	1	4	0	1	6	1
2	0	2	2	0	2	6	0	2	9	0	3	1	2
3	0	3	3	0	3	8	0	4	2	0	4	8	3
4	0	4	5	0	4	11	0	5	7	0	6	2	4
5	0	5	6	0	6	2	0	6	11	0	7	9	5
6	0	6	7	0	7	5	0	8	4	0	9	4	6
7	0	7	8	0	8	8	0	9	9	0	10	10	7
8	0	8	10	0	9	11	0	11	2	1	0	5	8
9	0	9	11	0	11	2	1	0	6	1	2	0	9
10	0	11	0	1	0	5	1	1	11	1	3	6	10
11	1	0	1	1	1	8	1	3	4	1	5	1	11
12	1	1	3	1	2	11	1	4	9	1	6	8	12
13	1	2	4	1	4	2	1	6	2	1	8	2	13
14	1	3	5	1	5	5	1	7	6	1	9	9	14
15	1	4	6	1	6	8	1	8	11	1	11	4	15
16	1	5	8	1	7	11	1	10	4	2	0	11	16
17	1	6	9	1	9	2	1	11	9	2	2	5	17
18	1	7	10	1	10	5	2	1	1	2	4	0	18
19	1	8	11	1	11	8	2	2	6	2	5	7	19
20	1	10	1	2	0	11	2	3	11	2	7	1	20
21	1	11	2	2	2	2	2	5	4	2	8	8	21
22	2	0	3	2	3	5	2	6	9	2	10	3	22
23	2	1	4	2	4	8	2	8	1	2	11	9	23
24	2	2	6	2	5	11	2	9	6	3	1	4	24
25	2	3	7	2	7	2	2	10	11	3	2	11	25
26	2	4	8	2	8	5	3	0	4	3	4	5	26
27	2	5	9	2	9	8	3	1	8	3	6	0	27
28	2	6	11	2	10	10	3	3	1	3	7	7	28
29	2	8	0	3	0	1	3	4	6	3	9	2	29
30	2	9	1	3	1	4	3	5	11	3	10	8	30
31	2	10	2	3	2	7	3	7	4	4	0	3	31
32	2	11	4	3	3	10	3	8	8	4	1	10	32
33	3	0	5	3	5	1	3	10	1	4	3	4	33
34	3	1	6	3	6	4	3	11	6	4	4	11	34
35	3	2	7	3	7	7	4	0	11	4	6	6	35
36	3	3	9	3	8	10	4	2	3	4	8	0	36
37	3	4	10	3	10	1	4	3	8	4	9	7	37
38	3	5	11	3	11	4	4	5	1	4	11	2	38
39	3	7	0	4	0	7	4	6	6	5	0	8	39
40	3	8	2	4	1	10	4	7	11	5	2	3	40
41	3	9	3	4	3	1	4	9	3	5	3	10	41
42	3	10	4	4	4	4	4	10	8	5	5	5	42
43	3	11	5	4	5	7	5	0	1	5	6	11	43
44	4	0	7	4	6	10	5	1	6	5	8	6	44
45	4	1	8	4	8	1	5	2	10	5	10	1	45
46	4	2	9	4	9	4	5	4	3	5	11	7	46
47	4	3	10	4	10	7	5	5	8	6	1	2	47
48	4	5	0	4	11	10	5	7	1	6	2	9	48
49	4	6	1	5	1	1	5	8	6	6	4	3	49
50	4	7	2	5	2	4	5	9	10	6	5	10	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	5 Inches.			5¼ Inches.			5½ Inches.			5¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	0	5	0	0	5	0	0	6	0	0	6	¼
½	0	0	10	0	0	11	0	1	0	0	1	1	½
¾	0	1	3	0	1	5	0	1	6	0	1	8	¾
1	0	1	8	0	1	10	0	2	1	0	2	3	1
2	0	3	5	0	3	9	0	4	2	0	4	6	2
3	0	5	2	0	5	8	0	6	3	0	6	10	3
4	0	6	10	0	7	7	0	8	4	0	9	1	4
5	0	8	7	0	9	6	0	10	5	0	11	4	5
6	0	10	4	0	11	5	1	0	6	1	1	8	6
7	1	0	0	1	1	3	1	2	7	1	3	11	7
8	1	1	9	1	3	2	1	4	8	1	6	3	8
9	1	3	6	1	5	1	1	6	9	1	8	6	9
10	1	5	3	1	7	0	1	8	10	1	10	9	10
11	1	6	11	1	8	11	1	10	11	2	1	1	11
12	1	8	8	1	10	10	2	1	0	2	3	4	12
13	1	10	5	2	0	8	2	3	1	2	5	8	13
14	2	0	1	2	2	7	2	5	2	2	7	11	14
15	2	1	10	2	4	6	2	7	3	2	10	2	15
16	2	3	7	2	6	5	2	9	4	3	0	6	16
17	2	5	4	2	8	4	2	11	6	3	2	9	17
18	2	7	0	2	10	3	3	1	7	3	5	1	18
19	2	8	9	3	0	1	3	3	8	3	7	4	19
20	2	10	6	3	2	0	3	5	9	3	9	7	20
21	3	0	2	3	3	11	3	7	10	3	11	11	21
22	3	1	11	3	5	10	3	9	11	4	2	2	22
23	3	3	8	3	7	9	4	0	0	4	4	5	23
24	3	5	5	3	9	8	4	2	1	4	6	9	24
25	3	7	1	3	11	6	4	4	2	4	9	0	25
26	3	8	10	4	1	5	4	6	3	4	11	4	26
27	3	10	7	4	3	4	4	8	4	5	1	7	27
28	4	0	3	4	5	3	4	10	5	5	3	10	28
29	4	2	0	4	7	2	5	0	6	5	6	2	29
30	4	3	9	4	9	1	5	2	7	5	8	5	30
31	4	5	6	4	10	11	5	4	8	5	10	9	31
32	4	7	2	5	0	10	5	6	9	6	1	0	32
33	4	8	11	5	2	9	5	8	10	6	3	3	33
34	4	10	8	5	4	8	5	11	0	6	5	7	34
35	5	0	4	5	6	7	6	1	1	6	7	10	35
36	5	2	1	5	8	6	6	3	2	6	10	2	36
37	5	3	10	5	10	4	6	5	3	7	0	5	37
38	5	5	7	6	0	3	6	7	4	7	2	8	38
39	5	7	3	6	2	2	6	9	5	7	5	0	39
40	5	9	0	6	4	1	6	11	6	7	7	3	40
41	5	10	9	6	6	0	7	1	7	7	9	6	41
42	6	0	5	6	7	11	7	3	8	7	11	10	42
43	6	2	2	6	9	9	7	5	9	8	2	1	43
44	6	3	11	6	11	8	7	7	10	8	4	5	44
45	6	5	7	7	1	7	7	9	11	8	6	8	45
46	6	7	4	7	3	6	8	0	0	8	8	11	46
47	6	9	1	7	5	5	8	2	1	8	11	3	47
48	6	10	10	7	7	4	8	4	2	9	1	6	48
49	7	0	6	7	9	2	8	6	3	9	3	10	49
50	7	2	3	7	11	1	8	8	5	9	6	1	50

FEET LONG.	ITS DIAMETER BEING 6 Inches.			6¼ Inches.			6½ Inches.			6¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	0	7	0	0	8	0	0	8	0	0	9	¼
½	0	1	2	0	1	4	0	1	5	0	1	6	½
¾	0	1	10	0	2	0	0	2	2	0	2	4	¾
1	0	2	5	0	2	8	0	2	11	0	3	1	1
2	0	4	11	0	5	4	0	5	10	0	6	3	2
3	0	7	5	0	8	1	0	8	9	0	9	5	3
4	0	9	11	0	10	9	0	11	8	1	0	6	4
5	1	0	5	1	1	5	1	2	7	1	3	8	5
6	1	2	10	1	4	2	1	5	6	1	6	10	6
7	1	5	4	1	6	10	1	8	5	1	10	0	7
8	1	7	10	1	9	6	1	11	4	2	1	1	8
9	1	10	4	2	0	3	2	2	3	2	4	3	9
10	2	0	10	2	2	11	2	5	2	2	7	5	10
11	2	3	4	2	5	7	2	8	1	2	10	7	11
12	2	5	9	2	8	4	2	11	0	3	1	8	12
13	2	8	3	2	11	0	3	1	11	3	4	10	13
14	2	10	9	3	1	9	3	4	10	3	8	0	14
15	3	1	3	3	4	5	3	7	9	3	11	2	15
16	3	3	9	3	7	1	3	10	8	4	2	3	16
17	3	6	2	3	9	10	4	1	7	4	5	5	17
18	3	8	8	4	0	6	4	4	6	4	8	7	18
19	3	11	2	4	3	2	4	7	5	4	11	9	19
20	4	1	8	4	5	11	4	10	4	5	2	10	20
21	4	4	2	4	8	7	5	1	3	5	6	0	21
22	4	6	8	4	11	3	5	4	2	5	9	2	22
23	4	9	1	5	2	0	5	7	1	6	0	4	23
24	4	11	7	5	4	8	5	10	0	6	3	5	24
25	5	2	1	5	7	5	6	0	11	6	6	7	25
26	5	4	7	5	10	1	6	3	10	6	9	9	26
27	5	7	1	6	0	9	6	6	9	7	0	11	27
28	5	9	7	6	3	6	6	9	8	7	4	0	28
29	6	0	0	6	6	2	7	0	7	7	7	2	29
30	6	2	6	6	8	10	7	3	6	7	10	4	30
31	6	5	0	6	11	7	7	6	5	8	1	6	31
32	6	7	6	7	2	3	7	9	4	8	4	7	32
33	6	10	0	7	4	11	8	0	3	8	7	9	33
34	7	0	5	7	7	8	8	3	2	8	10	11	34
35	7	2	11	7	10	4	8	6	1	9	2	1	35
36	7	5	5	8	1	0	8	9	0	9	5	2	36
37	7	7	11	8	3	9	8	11	11	9	8	4	37
38	7	10	5	8	6	5	9	2	10	9	11	6	38
39	8	0	11	8	9	2	9	5	9	10	2	8	39
40	8	3	4	8	11	10	9	8	8	10	5	9	40
41	8	5	10	9	2	6	9	11	7	10	8	11	41
42	8	8	4	9	5	3	10	2	6	11	0	1	42
43	8	10	10	9	7	11	10	5	5	11	3	3	43
44	9	1	4	9	10	7	10	8	4	11	6	4	44
45	9	3	10	10	1	4	10	11	3	11	9	6	45
46	9	6	3	10	4	0	11	2	2	12	0	8	46
47	9	8	9	10	6	8	11	5	1	12	3	10	47
48	9	11	3	10	9	5	11	8	0	12	6	11	48
49	10	1	9	11	0	1	11	10	11	12	10	1	49
50	10	4	3	11	2	10	12	1	10	13	1	3	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	7 Inches.			7¼ Inches.			7½ Inches.			7¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	0	10	0	0	10	0	0	11	0	1	0	¼
½	0	1	8	0	1	9	0	1	11	0	2	0	½
¾	0	2	6	0	2	8	0	2	10	0	3	1	¾
1	0	3	4	0	3	7	0	3	10	0	4	1	1
2	0	6	9	0	7	3	0	7	9	0	8	3	2
3	0	10	1	0	10	10	0	11	7	1	0	5	3
4	1	1	6	1	2	6	1	3	6	1	4	7	4
5	1	4	10	1	6	1	1	7	4	1	8	8	5
6	1	8	3	1	9	9	1	11	3	2	0	10	6
7	1	11	8	2	1	4	2	3	2	2	5	0	7
8	2	3	0	2	5	0	2	7	0	2	9	2	8
9	2	6	5	2	8	7	2	10	11	3	1	3	9
10	2	9	9	3	0	3	3	2	9	3	5	5	10
11	3	1	2	3	3	10	3	6	8	3	9	7	11
12	3	4	7	3	7	6	3	10	7	4	1	9	12
13	3	7	11	3	11	2	4	2	5	4	5	10	13
14	3	11	4	4	2	9	4	6	4	4	10	0	14
15	4	2	8	4	6	5	4	10	2	5	2	2	15
16	4	6	1	4	10	0	5	2	1	5	6	4	16
17	4	9	6	5	1	8	5	6	0	5	10	5	17
18	5	0	10	5	5	3	5	9	10	6	2	7	18
19	5	4	3	5	8	11	6	1	9	6	6	9	19
20	5	7	7	6	0	6	6	5	7	6	10	11	20
21	5	11	0	6	4	2	6	9	6	7	3	0	21
22	6	2	5	6	7	9	7	1	5	7	7	2	22
23	6	5	9	6	11	5	7	5	3	7	11	4	23
24	6	9	2	7	3	1	7	9	2	8	3	6	24
25	7	0	6	7	6	8	8	1	0	8	7	7	25
26	7	3	11	7	10	4	8	4	11	8	11	9	26
27	7	7	4	8	1	11	8	8	10	9	3	11	27
28	7	10	8	8	5	7	9	0	8	9	8	1	28
29	8	2	1	8	9	2	9	4	7	10	0	2	29
30	8	5	5	9	0	10	9	8	5	10	4	4	30
31	8	8	10	9	4	5	10	0	4	10	8	6	31
32	9	0	2	9	8	1	10	4	3	11	0	8	32
33	9	3	7	9	11	8	10	8	1	11	4	9	33
34	9	7	0	10	3	4	11	0	0	11	8	11	34
35	9	10	4	10	7	0	11	3	10	12	1	1	35
36	10	1	9	10	10	7	11	7	9	12	5	3	36
37	10	5	1	11	2	3	11	11	8	12	9	5	37
38	10	8	6	11	5	10	12	3	6	13	1	6	38
39	10	11	11	11	9	6	12	7	5	13	5	8	39
40	11	3	3	12	1	1	12	11	3	13	9	10	40
41	11	6	8	12	4	9	13	3	2	14	2	0	41
42	11	10	0	12	8	4	13	7	1	14	6	1	42
43	12	1	5	13	0	0	13	10	11	14	10	3	43
44	12	4	10	13	3	7	14	2	10	15	2	5	44
45	12	8	2	13	7	3	14	6	8	15	6	7	45
46	12	11	7	13	10	11	14	10	7	15	10	8	46
47	13	2	11	14	2	6	15	2	6	16	2	10	47
48	13	6	4	14	6	2	15	6	4	16	7	0	48
49	13	9	9	14	9	9	15	10	3	16	11	2	49
50	14	1	1	15	1	5	16	2	1	17	3	3	50

FEET LONG.	ITS DIAMETER BEING 8 Inches.			8¼ Inches.			8½ Inches.			8¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	1	1	0	1	2	0	1	2	0	1	3	¼
½	0	2	2	0	2	4	0	2	5	0	2	7	½
¾	0	3	3	0	3	6	0	3	8	0	3	11	¾
1	0	4	5	0	4	8	0	4	11	0	5	3	1
2	0	8	10	0	9	4	0	9	11	0	10	6	2
3	1	1	3	1	2	1	1	2	11	1	3	10	3
4	1	5	8	1	6	9	1	7	11	1	9	1	4
5	1	10	1	1	11	5	2	0	11	2	2	5	5
6	2	2	6	2	4	2	2	5	11	2	7	8	6
7	2	6	11	2	8	10	2	10	10	3	0	11	7
8	2	11	4	3	1	7	3	3	10	3	6	3	8
9	3	3	9	3	6	3	3	8	10	3	11	6	9
10	3	8	2	3	10	11	4	1	10	4	4	10	10
11	4	0	7	4	3	8	4	6	10	4	10	1	11
12	4	5	0	4	8	4	4	11	10	5	3	5	12
13	4	9	5	5	1	1	5	4	10	5	8	8	13
14	5	1	10	5	5	9	5	9	9	6	1	11	14
15	5	6	3	5	10	5	6	2	9	6	7	3	15
16	5	10	8	6	3	2	6	7	9	7	0	6	16
17	6	3	1	6	7	10	7	0	9	7	5	10	17
18	6	7	6	7	0	6	7	5	9	7	11	1	18
19	6	11	11	7	5	3	7	10	9	8	4	5	19
20	7	4	4	7	9	11	8	3	9	8	9	8	20
21	7	8	9	8	2	8	8	8	8	9	2	11	21
22	8	1	2	8	7	4	9	1	8	9	8	3	22
23	8	5	7	9	0	0	9	6	8	10	1	6	23
24	8	10	0	9	4	9	9	11	8	10	6	10	24
25	9	2	5	9	9	5	10	4	8	11	0	1	25
26	9	6	10	10	2	2	10	9	8	11	5	5	26
27	9	11	3	10	6	10	11	2	8	11	10	8	27
28	10	3	8	10	11	6	11	7	7	12	3	11	28
29	10	8	1	11	4	3	12	0	7	12	9	3	29
30	11	0	6	11	8	11	12	5	7	13	2	6	30
31	11	4	11	12	1	7	12	10	7	13	7	10	31
32	11	9	4	12	6	4	13	3	7	14	1	1	32
33	12	1	9	12	11	0	13	8	7	14	6	5	33
34	12	6	2	13	3	9	14	1	7	14	11	8	34
35	12	10	7	13	8	5	14	6	6	15	4	11	35
36	13	3	0	14	1	1	14	11	6	15	10	3	36
37	13	7	5	14	5	10	15	4	6	16	3	6	37
38	13	11	10	14	10	6	15	9	6	16	8	10	38
39	14	4	3	15	3	3	16	2	6	17	2	1	39
40	14	8	8	15	7	11	16	7	6	17	7	5	40
41	15	1	1	16	0	7	17	0	6	18	0	8	41
42	15	5	6	16	5	4	17	5	5	18	5	11	42
43	15	9	11	16	10	0	17	10	5	18	11	3	43
44	16	2	4	17	2	8	18	3	5	19	4	6	44
45	16	6	9	17	7	5	18	8	5	19	9	10	45
46	16	11	2	18	0	1	19	1	5	20	3	1	46
47	17	3	7	18	4	10	19	6	5	20	8	5	47
48	17	8	0	18	9	6	19	11	4	21	1	8	48
49	18	0	5	19	2	2	20	4	4	21	6	11	49
50	18	4	10	19	6	11	20	9	4	22	0	3	50

FEET LONG.	ITS DIAMETER BEING 9 Inches.			9¼ Inches.			9½ Inches.			9¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	1	4	0	1	5	0	1	6	0	1	7	¼
½	0	2	9	0	2	11	0	3	1	0	3	3	½
¾	0	4	2	0	4	5	0	4	8	0	4	11	¾
1	0	5	7	0	5	10	0	6	2	0	6	6	1
2	0	11	2	0	11	9	1	0	5	1	1	1	2
3	1	4	9	1	5	8	1	6	8	1	7	8	3
4	1	10	4	1	11	7	2	0	11	2	2	3	4
5	2	3	11	2	5	6	2	7	1	2	8	9	5
6	2	9	6	2	11	5	3	1	4	3	3	4	6
7	3	3	1	3	5	4	3	7	7	3	9	11	7
8	3	8	8	3	11	3	4	1	10	4	4	6	8
9	4	2	3	4	5	1	4	8	0	4	11	0	9
10	4	7	11	4	11	0	5	2	3	5	5	7	10
11	5	1	6	5	4	11	5	8	6	6	0	2	11
12	5	7	1	5	10	10	6	2	9	6	6	9	12
13	6	0	8	6	4	9	6	8	11	7	1	3	13
14	6	6	3	6	10	8	7	3	2	7	7	10	14
15	6	11	10	7	4	7	7	9	5	8	2	5	15
16	7	5	5	7	10	6	8	3	8	8	9	0	16
17	7	11	0	8	4	5	8	9	11	9	3	6	17
18	8	4	7	8	10	3	9	4	1	9	10	1	18
19	8	10	2	9	4	2	9	10	4	10	4	8	19
20	9	3	10	9	10	1	10	4	7	10	11	3	20
21	9	9	5	10	4	0	10	10	10	11	5	9	21
22	10	3	0	10	9	11	11	5	0	12	0	4	22
23	10	8	7	11	3	10	11	11	3	12	6	11	23
24	11	2	2	11	9	9	12	5	6	13	1	6	24
25	11	7	9	12	3	8	12	11	9	13	8	0	25
26	12	1	4	12	9	6	13	5	11	14	2	7	26
27	12	6	11	13	3	5	14	0	2	14	9	2	27
28	13	0	6	13	9	4	14	6	5	15	3	9	28
29	13	6	1	14	3	3	15	0	8	15	10	3	29
30	13	11	9	14	9	2	15	6	10	16	4	10	30
31	14	5	4	15	3	1	16	1	1	16	11	5	31
32	14	10	11	15	9	0	16	7	4	17	6	0	32
33	15	4	6	16	2	11	17	1	7	18	0	6	33
34	15	10	1	16	8	10	17	7	10	18	7	1	34
35	16	3	8	17	2	8	18	2	0	19	1	8	35
36	16	9	3	17	8	7	18	8	3	19	8	3	36
37	17	2	10	18	2	6	19	2	6	20	2	9	37
38	17	8	5	18	8	5	19	8	9	20	9	4	38
39	18	2	1	19	2	4	20	2	11	21	3	11	39
40	18	7	8	19	8	3	20	9	2	21	10	6	40
41	19	1	3	20	2	2	21	3	5	22	5	0	41
42	19	6	10	20	8	1	21	9	8	22	11	7	42
43	20	0	5	21	1	11	22	3	10	23	6	2	43
44	20	6	0	21	7	10	22	10	1	24	0	9	44
45	20	11	7	22	1	9	23	4	4	24	7	3	45
46	21	5	2	22	7	8	23	10	7	25	1	10	46
47	21	10	9	23	1	7	24	4	9	25	8	5	47
48	22	4	4	23	7	6	24	11	0	26	3	0	48
49	22	10	0	24	1	5	25	5	3	26	9	6	49
50	23	3	7	24	7	4	25	11	6	27	4	1	50

FEET LONG.	ITS DIAMETER BEING 10 Inches.			10¼ Inches.			10½ Inches.			10¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	1	8	0	1	9	0	1	10	0	1	11	¼
½	0	3	5	0	3	7	0	3	9	0	3	11	½
¾	0	5	2	0	5	5	0	5	8	0	5	11	¾
1	0	6	10	0	7	3	0	7	7	0	7	11	1
2	1	1	9	1	2	6	1	3	2	1	3	11	2
3	1	8	8	1	9	9	1	10	10	1	11	11	3
4	2	3	7	2	5	0	2	6	5	2	7	10	4
5	2	10	6	3	0	3	3	2	0	3	3	10	5
6	3	5	5	3	7	6	3	9	8	3	11	10	6
7	4	0	3	4	2	9	4	5	3	4	7	10	7
8	4	7	2	4	10	0	5	0	10	5	3	9	8
9	5	2	1	5	5	3	5	8	6	5	11	9	9
10	5	9	0	6	0	6	6	4	1	6	7	9	10
11	6	3	11	6	7	9	6	11	8	7	3	9	11
12	6	10	10	7	3	0	7	7	4	7	11	8	12
13	7	5	8	7	10	3	8	2	11	8	7	8	13
14	8	0	7	8	5	6	8	10	6	9	3	8	14
15	8	7	6	9	0	9	9	6	2	9	11	8	15
16	9	2	5	9	8	0	10	1	9	10	7	7	16
17	9	9	4	10	3	3	10	9	4	11	3	7	17
18	10	4	3	10	10	6	11	5	0	11	11	7	18
19	10	11	2	11	5	9	12	0	7	12	7	6	19
20	11	6	0	12	1	0	12	8	2	13	3	6	20
21	12	0	11	12	8	3	13	3	10	13	11	6	21
22	12	7	10	13	3	6	13	11	5	14	7	6	22
23	13	2	9	13	10	9	14	7	0	15	3	5	23
24	13	9	8	14	6	0	15	2	8	15	11	5	24
25	14	4	7	15	1	3	15	10	3	16	7	5	25
26	14	11	5	15	8	6	16	5	10	17	3	5	26
27	15	6	4	16	3	9	17	1	6	17	11	4	27
28	16	1	3	16	11	1	17	9	1	18	7	4	28
29	16	8	2	17	6	4	18	4	8	19	3	4	29
30	17	3	1	18	1	7	19	0	4	19	11	4	30
31	17	10	0	18	8	10	19	7	11	20	7	3	31
32	18	4	10	19	4	1	20	3	6	21	3	3	32
33	18	11	9	19	11	4	20	11	2	21	11	3	33
34	19	6	8	20	6	7	21	6	9	22	7	3	34
35	20	1	7	21	1	10	22	2	4	23	3	2	35
36	20	8	6	21	9	1	22	10	0	23	11	2	36
37	21	3	5	22	4	4	23	5	7	24	7	2	37
38	21	10	4	22	11	7	24	1	2	25	3	1	38
39	22	5	2	23	6	10	24	8	10	25	11	1	39
40	23	0	1	24	2	1	25	4	5	26	7	1	40
41	23	7	0	24	9	4	26	0	0	27	3	1	41
42	24	1	11	25	4	7	26	7	8	27	11	0	42
43	24	8	10	25	11	10	27	3	3	28	7	0	43
44	25	3	9	26	7	1	27	10	10	29	3	0	44
45	25	10	7	27	2	4	28	6	6	29	11	0	45
46	26	5	6	27	9	7	29	2	1	30	6	11	46
47	27	0	5	28	4	10	29	9	8	31	2	11	47
48	27	7	4	29	0	1	30	5	4	31	10	11	48
49	28	2	3	29	7	4	31	0	11	32	6	11	49
50	28	9	2	30	2	7	31	8	6	33	2	10	50

FEET LONG.	ITS DIAMETER BEING 11 Inches.			11¼ Inches.			11½ Inches.			11¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	2	1	0	2	2	0	2	3	0	2	4	¼
½	0	4	2	0	4	4	0	4	6	0	4	9	½
¾	0	6	3	0	6	6	0	6	10	0	7	1	¾
1	0	8	4	0	8	8	0	9	1	0	9	6	1
2	1	4	8	1	5	5	1	6	3	1	7	0	2
3	2	1	0	2	2	2	2	3	4	2	4	7	3
4	2	9	4	2	10	11	3	0	6	3	2	1	4
5	3	5	9	3	7	8	3	9	7	3	11	7	5
6	4	2	1	4	4	5	4	6	9	4	9	2	6
7	4	10	5	5	1	1	5	3	10	5	6	8	7
8	5	6	9	5	9	10	6	1	0	6	4	3	8
9	6	3	2	6	6	7	6	10	2	7	1	9	9
10	6	11	6	7	3	4	7	7	3	7	11	3	10
11	7	7	10	8	0	1	8	4	5	8	8	10	11
12	8	4	2	8	8	10	9	1	6	9	6	4	12
13	9	0	7	9	5	7	9	10	8	10	3	10	13
14	9	8	11	10	2	3	10	7	9	11	1	5	14
15	10	5	3	10	11	0	11	4	11	11	10	11	15
16	11	1	7	11	7	9	12	2	0	12	8	6	16
17	11	10	0	12	4	6	12	11	2	13	6	0	17
18	12	6	4	13	1	3	13	8	4	14	3	6	18
19	13	2	8	13	10	0	14	5	5	15	1	1	19
20	13	11	0	14	6	8	15	2	7	15	10	7	20
21	14	7	5	15	3	5	15	11	8	16	8	1	21
22	15	3	9	16	0	2	16	8	10	17	5	8	22
23	16	0	1	16	8	11	17	5	11	18	3	2	23
24	16	8	5	17	5	8	18	3	1	19	0	9	24
25	17	4	10	18	2	5	19	0	2	19	10	3	25
26	18	1	2	18	11	2	19	9	4	20	7	9	26
27	18	9	6	19	7	10	20	6	6	21	5	4	27
28	19	5	10	20	4	7	21	3	7	22	2	10	28
29	20	2	2	21	1	4	22	0	9	23	0	4	29
30	20	10	7	21	10	1	22	9	10	23	9	11	30
31	21	6	11	22	6	10	23	7	0	24	7	5	31
32	22	3	3	23	3	7	24	4	1	25	5	0	32
33	22	11	7	24	0	3	25	1	3	26	2	6	33
34	23	8	0	24	9	0	25	10	5	27	0	0	34
35	24	4	4	25	5	9	26	7	6	27	9	7	35
36	25	0	8	26	2	6	27	4	8	28	7	1	36
37	25	9	0	26	11	3	28	1	9	29	4	7	37
38	26	5	5	27	8	0	28	10	11	30	2	2	38
39	27	1	9	28	4	9	29	8	0	30	11	8	39
40	27	10	1	29	1	5	30	5	2	31	9	3	40
41	28	6	5	29	10	2	31	2	3	32	6	9	41
42	29	2	10	30	6	11	31	11	5	33	4	3	42
43	29	11	2	31	3	8	32	8	7	34	1	10	43
44	30	7	6	32	0	5	33	5	8	34	11	4	44
45	31	3	10	32	9	2	34	2	10	35	8	10	45
46	32	0	3	33	5	11	34	11	11	36	6	5	46
47	32	8	7	34	2	7	35	9	1	37	3	11	47
48	33	4	11	34	11	4	36	6	2	38	1	6	48
49	34	1	3	35	8	1	37	3	4	38	11	0	49
50	34	9	8	36	4	10	38	0	5	39	8	6	50

FEET LONG.	ITS DIAMETER BEING 12 Inches.			12¼ Inches.			12½ Inches.			12¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	2	5	0	2	7	0	2	8	0	2	9	¼
½	0	4	11	0	5	2	0	5	4	0	5	7	½
¾	0	7	5	0	7	9	0	8	1	0	8	5	¾
1	0	9	11	0	10	4	0	10	9	0	11	2	1
2	1	7	10	1	8	8	1	9	6	1	10	5	2
3	2	5	9	2	7	0	2	8	4	2	9	8	3
4	3	3	9	3	5	5	3	7	1	3	8	10	4
5	4	1	8	4	3	9	4	5	11	4	8	1	5
6	4	11	7	5	2	1	5	4	8	5	7	4	6
7	5	9	7	6	0	6	6	3	6	6	6	6	7
8	6	7	6	6	10	10	7	2	3	7	5	9	8
9	7	5	5	7	9	2	8	1	0	8	5	0	9
10	8	3	4	8	7	7	8	11	10	9	4	2	10
11	9	1	4	9	5	11	9	10	7	10	3	5	11
12	9	11	3	10	4	3	10	9	5	11	2	8	12
13	10	9	2	11	2	8	11	8	2	12	1	10	13
14	11	7	2	12	1	0	12	7	0	13	1	1	14
15	12	5	1	12	11	4	13	5	9	14	0	4	15
16	13	3	0	13	9	9	14	4	7	14	11	6	16
17	14	0	11	14	8	1	15	3	4	15	10	9	17
18	14	10	11	15	6	5	16	2	1	16	10	0	18
19	15	8	10	16	4	10	17	0	11	17	9	2	19
20	16	6	9	17	3	2	17	11	8	18	8	5	20
21	17	4	9	18	1	6	18	10	6	19	7	8	21
22	18	2	8	18	11	10	19	9	3	20	6	10	22
23	19	0	7	19	10	3	20	8	1	21	6	1	23
24	19	10	7	20	8	7	21	6	10	22	5	4	24
25	20	8	6	21	6	11	22	5	8	23	4	6	25
26	21	6	5	22	5	4	23	4	5	24	3	9	26
27	22	4	4	23	3	8	24	3	2	25	3	0	27
28	23	2	4	24	2	0	25	2	0	26	2	2	28
29	24	0	3	25	0	5	26	0	9	27	1	5	29
30	24	10	2	25	10	9	26	11	7	28	0	8	30
31	25	8	2	26	9	1	27	10	4	28	11	10	31
32	26	6	1	27	7	6	28	9	2	29	11	1	32
33	27	4	0	28	5	10	29	7	11	30	10	4	33
34	28	1	11	29	4	2	30	6	9	31	9	6	34
35	28	11	11	30	2	7	31	5	6	32	8	9	35
36	29	9	10	31	0	11	32	4	3	33	8	0	36
37	30	7	9	31	11	3	33	3	1	34	7	2	37
38	31	5	9	32	9	8	34	1	10	35	6	5	38
39	32	3	8	33	8	0	35	0	8	36	5	8	39
40	33	1	7	34	6	4	35	11	5	37	4	10	40
41	33	11	7	35	4	8	36	10	3	38	4	1	41
42	34	9	6	36	3	1	37	9	0	39	3	4	42
43	35	7	5	37	1	5	38	7	10	40	2	6	43
44	36	5	4	37	11	9	39	6	7	41	1	9	44
45	37	3	4	38	10	2	40	5	4	42	1	0	45
46	38	1	3	39	8	6	41	4	2	43	0	2	46
47	38	11	2	40	6	10	42	2	11	43	11	5	47
48	39	9	2	41	5	3	43	1	9	44	10	8	48
49	40	7	1	42	3	7	44	0	6	45	9	10	49
50	41	5	0	43	1	11	44	11	4	46	9	1	50

FEET LONG.	ITS DIAMETER BEING 13 Inches.			13¼ Inches.			13½ Inches.			13¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	2	11	0	3	0	0	3	1	0	3	3	¼
½	0	5	10	0	6	0	0	6	3	0	6	6	½
¾	0	8	9	0	9	1	0	9	5	0	9	9	¾
1	0	11	8	1	0	1	1	0	6	1	1	0	1
2	1	11	4	2	0	2	2	1	1	2	2	1	2
3	2	11	0	3	0	4	3	1	8	3	3	1	3
4	3	10	8	4	0	5	4	2	3	4	4	2	4
5	4	10	4	5	0	7	5	2	10	5	5	3	5
6	5	10	0	6	0	8	6	3	5	6	6	3	6
7	6	9	8	7	0	10	7	4	0	7	7	4	7
8	7	9	4	8	0	11	8	4	7	8	8	5	8
9	8	9	0	9	1	0	9	5	2	9	9	5	9
10	9	8	8	10	1	2	10	5	9	10	10	6	10
11	10	8	4	11	1	3	11	6	4	11	11	6	11
12	11	8	0	12	1	5	12	6	11	13	0	7	12
13	12	7	8	13	1	6	13	7	6	14	1	8	13
14	13	7	4	14	1	8	14	8	1	15	2	8	14
15	14	7	0	15	1	9	15	8	8	16	3	9	15
16	15	6	8	16	1	11	16	9	3	17	4	10	16
17	16	6	4	17	2	0	17	9	10	18	5	10	17
18	17	6	0	18	2	1	18	10	5	19	6	11	18
19	18	5	8	19	2	3	19	11	0	20	7	11	19
20	19	5	4	20	2	4	20	11	7	21	9	0	20
21	20	5	0	21	2	6	22	0	2	22	10	1	21
22	21	4	8	22	2	7	23	0	9	23	11	1	22
23	22	4	4	23	2	9	24	1	4	25	0	2	23
24	23	4	0	24	2	10	25	1	11	26	1	3	24
25	24	3	8	25	3	0	26	2	6	27	2	3	25
26	25	3	4	26	3	1	27	3	1	28	3	4	26
27	26	3	0	27	3	2	28	3	8	29	4	4	27
28	27	2	8	28	3	4	29	4	3	30	5	5	28
29	28	2	4	29	3	5	30	4	10	31	6	6	29
30	29	2	0	30	3	7	31	5	5	32	7	6	30
31	30	1	8	31	3	8	32	6	0	33	8	7	31
32	31	1	4	32	3	10	33	6	7	34	9	8	32
33	32	1	0	33	3	11	34	7	2	35	10	8	33
34	33	0	8	34	4	1	35	7	9	36	11	9	34
35	34	0	4	35	4	2	36	8	4	38	0	9	35
36	35	0	0	36	4	3	37	8	11	39	1	10	36
37	35	11	8	37	4	5	38	9	6	40	2	11	37
38	36	11	4	38	4	6	39	10	1	41	3	11	38
39	37	11	0	39	4	8	40	10	8	42	5	0	39
40	38	10	8	40	4	9	41	11	3	43	6	1	40
41	39	10	4	41	4	11	42	11	10	44	7	1	41
42	40	10	0	42	5	0	44	0	5	45	8	2	42
43	41	9	8	43	5	1	45	1	0	46	9	2	43
44	42	9	4	44	5	3	46	1	7	47	10	3	44
45	43	9	0	45	5	4	47	2	2	48	11	4	45
46	44	8	8	46	5	6	48	2	9	50	0	4	46
47	45	8	4	47	5	7	49	3	4	51	1	5	47
48	46	8	0	48	5	9	50	3	11	52	2	6	48
49	47	7	8	49	5	10	51	4	6	53	3	6	49
50	48	7	4	50	6	0	52	5	1	54	4	7	50

FEET LONG.	ITS DIAMETER BEING 14 Inches.			14¼ Inches.			14½ Inches.			14¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	3	4	0	3	6	0	3	7	0	3	9	¼
½	0	6	9	0	7	0	0	7	3	0	7	6	½
¾	0	10	1	0	10	6	0	10	10	0	11	3	¾
1	1	1	6	1	2	0	1	2	6	1	3	0	1
2	2	3	0	2	4	0	2	5	0	2	6	0	2
3	3	4	7	3	6	0	3	7	6	3	9	0	3
4	4	6	1	4	8	0	4	10	0	5	0	0	4
5	5	7	7	5	10	1	6	0	6	6	3	1	5
6	6	9	2	7	0	1	7	3	1	7	6	1	6
7	7	10	8	8	2	1	8	5	7	8	9	1	7
8	9	0	2	9	4	1	9	8	1	10	0	1	8
9	10	1	9	10	6	2	10	10	7	11	3	2	9
10	11	3	3	11	8	2	12	1	1	12	6	2	10
11	12	4	10	12	10	2	13	3	7	13	9	2	11
12	13	6	4	14	0	2	14	6	2	15	0	2	12
13	14	7	10	15	2	2	15	8	8	16	3	3	13
14	15	9	5	16	4	3	16	11	2	17	6	3	14
15	16	10	11	17	6	3	18	1	8	18	9	3	15
16	18	0	5	18	8	3	19	4	2	20	0	3	16
17	19	2	0	19	10	3	20	6	9	21	3	3	17
18	20	3	6	21	0	4	21	9	3	22	6	4	18
19	21	5	1	22	2	4	22	11	9	23	9	4	19
20	22	6	7	23	4	4	24	2	3	25	0	4	20
21	23	8	1	24	6	4	25	4	9	26	3	4	21
22	24	9	8	25	8	4	26	7	3	27	6	5	22
23	25	11	2	26	10	5	27	9	10	28	9	5	23
24	27	0	8	28	0	5	29	0	4	30	0	5	24
25	28	2	3	29	2	5	30	2	10	31	3	5	25
26	29	3	9	30	4	5	31	5	4	32	6	6	26
27	30	5	4	31	6	6	32	7	10	33	9	6	27
28	31	6	10	32	8	6	33	10	4	35	0	6	28
29	32	8	4	33	10	6	35	0	11	36	3	6	29
30	33	9	11	35	0	6	36	3	5	37	6	7	30
31	34	11	5	36	2	6	37	5	11	38	9	7	31
32	36	0	11	37	4	7	38	8	5	40	0	7	32
33	37	2	6	38	6	7	39	10	11	41	3	7	33
34	38	4	0	39	8	7	41	1	6	42	6	7	34
35	39	5	7	40	10	7	42	4	0	43	9	8	35
36	40	7	1	42	0	8	43	6	6	45	0	8	36
37	41	8	7	43	2	8	44	9	0	46	3	8	37
38	42	10	2	44	4	8	45	11	6	47	6	8	38
39	43	11	8	45	6	8	47	2	0	48	9	9	39
40	45	1	2	46	8	8	48	4	7	50	0	9	40
41	46	2	9	47	10	9	49	7	1	51	3	9	41
42	47	4	3	49	0	9	50	9	7	52	6	9	42
43	48	5	10	50	2	9	52	0	1	53	9	10	43
44	49	7	4	51	4	9	53	2	7	55	0	10	44
45	50	8	10	52	6	10	54	5	1	56	3	10	45
46	51	10	5	53	8	10	55	7	8	57	6	10	46
47	52	11	11	54	10	10	56	10	2	58	9	11	47
48	54	1	5	56	0	10	58	0	8	60	0	11	48
49	55	3	0	57	2	10	59	3	2	61	3	11	49
50	56	4	6	58	4	11	60	5	8	62	6	11	50

FEET LONG.	ITS DIAMETER BEING 15 Inches.			15¼ Inches.			15½ Inches.			15¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	3	10	0	4	0	0	4	1	0	4	3	¼
½	0	7	9	0	8	0	0	8	3	0	8	6	½
¾	0	11	7	1	0	0	1	0	5	1	0	10	¾
1	1	3	6	1	4	0	1	4	7	1	5	1	1
2	2	7	0	2	8	1	2	9	2	2	10	3	2
3	3	10	7	4	0	1	4	1	9	4	3	4	3
4	5	2	1	5	4	2	5	6	4	5	8	6	4
5	6	5	7	6	8	3	6	10	11	7	1	7	5
6	7	9	2	8	0	3	8	3	6	8	6	9	6
7	9	0	8	9	4	4	9	8	1	9	11	10	7
8	10	4	3	10	8	5	11	0	8	11	5	0	8
9	11	7	9	12	0	5	12	5	3	12	10	1	9
10	12	11	3	13	4	6	13	9	10	14	3	3	10
11	14	2	10	14	8	7	15	2	5	15	8	4	11
12	15	6	4	16	0	7	16	7	0	17	1	6	12
13	16	9	11	17	4	8	17	11	7	18	6	7	13
14	18	1	5	18	8	9	19	4	2	19	11	9	14
15	19	4	11	20	0	9	20	8	9	21	4	10	15
16	20	8	6	21	4	10	22	1	4	22	10	0	16
17	22	0	0	22	8	11	23	5	11	24	3	1	17
18	23	3	7	24	0	11	24	10	6	25	8	3	18
19	24	7	1	25	5	0	26	3	1	27	1	4	19
20	25	10	7	26	9	1	27	7	8	28	6	6	20
21	27	2	2	28	1	1	29	0	3	29	11	7	21
22	28	5	8	29	5	2	30	4	10	31	4	9	22
23	29	9	3	30	9	3	31	9	5	32	9	10	23
24	31	0	9	32	1	3	33	2	0	34	3	0	24
25	32	4	3	33	5	4	34	6	7	35	8	1	25
26	33	7	10	34	9	5	35	11	2	37	1	3	26
27	34	11	4	36	1	5	37	3	9	38	6	4	27
28	36	2	11	37	5	6	38	8	4	39	11	6	28
29	37	6	5	38	9	7	40	0	11	41	4	7	29
30	38	9	11	40	1	7	41	5	6	42	9	9	30
31	40	1	6	41	5	8	42	10	1	44	2	10	31
32	41	5	0	42	9	9	44	2	8	45	8	0	32
33	42	8	7	44	1	9	45	7	3	47	1	1	33
34	44	0	1	45	5	10	46	11	11	48	6	3	34
35	45	3	7	46	9	11	48	4	6	49	11	4	35
36	46	7	2	48	1	11	49	9	1	51	4	6	36
37	47	10	8	49	6	0	51	1	8	52	9	7	37
38	49	2	3	50	10	1	52	6	3	54	2	9	38
39	50	5	9	52	2	1	53	10	10	55	7	10	39
40	51	9	3	53	6	2	55	3	5	57	1	0	40
41	53	0	10	54	10	3	56	8	0	58	6	1	41
42	54	4	4	56	2	3	58	0	7	59	11	3	42
43	55	7	11	57	6	4	59	5	2	61	4	4	43
44	56	11	5	58	10	5	60	9	9	62	9	6	44
45	58	2	11	60	2	5	62	2	4	64	2	7	45
46	59	6	6	61	6	6	63	6	11	65	7	9	46
47	60	10	0	62	10	7	64	11	6	67	0	10	47
48	62	1	7	64	2	7	66	4	1	68	6	0	48
49	63	5	1	65	6	8	67	8	8	69	11	1	49
50	64	8	7	66	10	9	69	1	3	71	4	3	50

FEET LONG.	ITS DIAMETER BEING 16 Inches.			16¼ Inches.			16½ Inches.			16¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	4	5	0	4	6	0	4	8	0	4	10	¼
½	0	8	10	0	9	1	0	9	4	0	9	8	½
¾	1	1	3	1	1	8	1	2	1	1	2	6	¾
1	1	5	8	1	6	2	1	6	9	1	7	4	1
2	2	11	4	3	0	5	3	1	7	3	2	8	2
3	4	5	0	4	6	8	4	8	4	4	10	1	3
4	5	10	8	6	0	11	6	3	2	6	5	5	4
5	7	4	4	7	7	1	7	9	11	8	0	10	5
6	8	10	0	9	1	4	9	4	9	9	8	2	6
7	10	3	8	10	7	7	10	11	6	11	3	6	7
8	11	9	4	12	1	10	12	6	4	12	10	11	8
9	13	3	0	13	8	0	14	1	1	14	6	3	9
10	14	8	8	15	2	3	15	7	11	16	1	8	10
11	16	2	4	16	8	6	17	2	8	17	9	0	11
12	17	8	0	18	2	9	18	9	6	19	4	5	12
13	19	1	9	19	8	11	20	4	4	20	11	9	13
14	20	7	5	21	3	2	21	11	1	22	7	1	14
15	22	1	1	22	9	5	23	5	11	24	2	6	15
16	23	6	9	24	3	8	25	0	8	25	9	10	16
17	25	0	5	25	9	10	26	7	6	27	5	3	17
18	26	6	1	27	4	1	28	2	3	29	0	7	18
19	27	11	9	28	10	4	29	9	1	30	8	0	19
20	29	5	5	30	4	7	31	3	10	32	3	4	20
21	30	11	1	31	10	9	32	10	8	33	10	8	21
22	32	4	9	33	5	0	34	5	5	35	6	1	22
23	33	10	5	34	11	3	36	0	3	37	1	5	23
24	35	4	1	36	5	6	37	7	0	38	8	10	24
25	36	9	9	37	11	8	39	1	10	40	4	2	25
26	38	3	6	39	5	11	40	8	8	41	11	7	26
27	39	9	2	41	0	2	42	3	5	43	6	11	27
28	41	2	10	42	6	5	43	10	3	45	2	3	28
29	42	8	6	44	0	7	45	5	0	46	9	8	29
30	44	2	2	45	6	10	46	11	10	48	5	0	30
31	45	7	10	47	1	1	48	6	7	50	0	5	31
32	47	1	6	48	7	4	50	1	5	51	7	9	32
33	48	7	2	50	1	6	51	8	2	53	3	2	33
34	50	0	10	51	7	9	53	3	0	54	10	6	34
35	51	6	6	53	2	0	54	9	9	56	5	10	35
36	53	0	2	54	8	3	56	4	7	58	1	3	36
37	54	5	10	56	2	6	57	11	4	59	8	7	37
38	55	11	6	57	8	8	59	6	2	61	4	0	38
39	57	5	3	59	2	11	61	1	0	62	11	4	39
40	58	10	11	60	9	2	62	7	9	64	6	9	40
41	60	4	7	62	3	5	64	2	7	66	2	1	41
42	61	10	3	63	9	7	65	9	4	67	9	5	42
43	63	3	11	65	3	10	67	4	2	69	4	10	43
44	64	9	7	66	10	1	68	10	11	71	0	2	44
45	66	3	3	68	4	4	70	5	9	72	7	7	45
46	67	8	11	69	10	6	72	0	6	74	2	11	46
47	69	2	7	71	4	9	73	7	4	75	10	4	47
48	70	8	3	72	11	0	75	2	1	77	5	8	48
49	72	1	11	74	5	3	76	8	11	79	1	0	49
50	73	7	7	75	11	5	78	3	9	80	8	5	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	17 Inches.			17¼ Inches.			17½ Inches.			17¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	4	11	0	5	1	0	5	3	0	5	5	¼
½	0	9	11	0	10	3	0	10	6	0	10	10	½
¾	1	2	11	1	3	4	1	3	10	1	4	3	¾
1	1	7	11	1	8	6	1	9	1	1	9	9	1
2	3	3	10	3	5	1	3	6	3	3	7	6	2
3	4	11	10	5	1	7	5	3	5	5	5	3	3
4	6	7	9	6	10	2	7	0	6	7	3	0	4
5	8	3	9	8	6	8	8	9	8	9	0	9	5
6	9	11	8	10	3	3	10	6	10	10	10	6	6
7	11	7	7	11	11	9	12	3	11	12	8	3	7
8	13	3	7	13	8	4	14	1	1	14	6	0	8
9	14	11	6	15	4	10	15	10	3	16	3	9	9
10	16	7	6	17	1	5	17	7	5	18	1	6	10
11	18	3	5	18	9	11	19	4	6	19	11	3	11
12	19	11	4	20	6	6	21	1	8	21	9	0	12
13	21	7	4	22	3	0	22	10	10	23	6	9	13
14	23	3	3	23	11	7	24	7	11	25	4	6	14
15	24	11	3	25	8	1	26	5	1	27	2	3	15
16	26	7	2	27	4	8	28	2	3	29	0	0	16
17	28	3	2	29	1	2	29	11	5	30	9	9	17
18	29	11	1	30	9	9	31	8	6	32	7	6	18
19	31	7	0	32	6	3	33	5	8	34	5	3	19
20	33	3	0	34	2	10	35	2	10	36	3	0	20
21	34	10	11	35	11	4	36	11	11	38	0	9	21
22	36	6	11	37	7	11	38	9	1	39	10	6	22
23	38	2	10	39	4	5	40	6	3	41	8	3	23
24	39	10	9	41	1	0	42	3	4	43	6	0	24
25	41	6	9	42	9	6	44	0	6	45	3	9	25
26	43	2	8	44	6	1	45	9	8	47	1	6	26
27	44	10	8	46	2	7	47	6	10	48	11	3	27
28	46	6	7	47	11	2	49	3	11	50	9	0	28
29	48	2	7	49	7	8	51	1	1	52	6	9	29
30	49	10	6	51	4	3	52	10	3	54	4	6	30
31	51	6	5	53	0	9	54	7	4	56	2	3	31
32	53	2	5	54	9	4	56	4	6	58	0	0	32
33	54	10	4	56	5	10	58	1	8	59	9	9	33
34	56	6	4	58	2	5	59	10	10	61	7	6	34
35	58	2	3	59	10	11	61	7	11	63	5	3	35
36	59	10	2	61	7	6	63	5	1	65	3	0	36
37	61	6	2	63	4	0	65	2	3	67	0	9	37
38	63	2	1	65	0	7	66	11	4	68	10	6	38
39	64	10	1	66	9	1	68	8	6	70	8	3	39
40	66	6	0	68	5	8	70	5	8	72	6	0	40
41	68	2	0	70	2	2	72	2	9	74	3	9	41
42	69	9	11	71	10	9	73	11	11	76	1	6	42
43	71	5	10	73	7	3	75	9	1	77	11	3	43
44	73	1	10	75	3	10	77	6	3	79	9	0	44
45	74	9	9	77	0	4	79	3	4	81	6	9	45
46	76	5	9	78	8	11	81	0	6	83	4	6	46
47	78	1	8	80	5	5	82	9	8	85	2	3	47
48	79	9	7	82	2	0	84	6	9	87	0	0	48
49	81	5	7	83	10	6	86	3	11	88	9	9	49
50	83	1	6	85	7	1	88	1	1	90	7	6	50

FEET LONG.	ITS DIAMETER BEING 18 Inches.			18¼ Inches.			18½ Inches.			18¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	5	7	0	5	8	0	5	10	0	6	0	¼
½	0	11	2	0	11	5	0	11	9	1	0	1	½
¾	1	4	9	1	5	2	1	5	8	1	6	2	¾
1	1	10	4	1	10	11	1	11	7	2	0	3	1
2	3	8	8	3	9	11	3	11	3	4	0	6	2
3	5	7	1	5	8	11	5	10	10	6	0	9	3
4	7	5	5	7	7	11	7	10	6	8	1	0	4
5	9	3	10	9	6	11	9	10	1	10	1	4	5
6	11	2	2	11	5	11	11	9	9	12	1	7	6
7	13	0	6	13	4	11	13	9	4	14	1	10	7
8	14	10	11	15	3	11	15	9	0	16	2	1	8
9	16	9	3	17	2	11	17	8	7	18	2	5	9
10	18	7	8	19	1	11	19	8	3	20	2	8	10
11	20	6	0	21	0	11	21	7	10	22	2	11	11
12	22	4	4	22	11	11	23	7	6	24	3	2	12
13	24	2	9	24	10	10	25	7	1	26	3	6	13
14	26	1	1	26	9	10	27	6	9	28	3	9	14
15	27	11	6	28	8	10	29	6	4	30	4	0	15
16	29	9	10	30	7	10	31	6	0	32	4	3	16
17	31	8	2	32	6	10	33	5	8	34	4	7	17
18	33	6	7	34	5	10	35	5	3	36	4	10	18
19	35	4	11	36	4	10	37	4	11	38	5	1	19
20	37	3	4	38	3	10	39	4	6	40	5	4	20
21	39	1	8	40	2	10	41	4	2	42	5	8	21
22	41	0	1	42	1	10	43	3	9	44	5	11	22
23	42	10	5	44	0	10	45	3	5	46	6	2	23
24	44	8	9	45	11	10	47	3	0	48	6	5	24
25	46	7	2	47	10	9	49	2	8	50	6	9	25
26	48	5	6	49	9	9	51	2	3	52	7	0	26
27	50	3	11	51	8	9	53	1	11	54	7	3	27
28	52	2	3	53	7	9	55	1	6	56	7	6	28
29	54	0	7	55	6	9	57	1	2	58	7	10	29
30	55	11	0	57	5	9	59	0	9	60	8	1	30
31	57	9	4	59	4	9	61	0	5	62	8	4	31
32	59	7	9	61	3	9	63	0	0	64	8	7	32
33	61	6	1	63	2	9	64	11	8	66	8	11	33
34	63	4	5	65	1	9	66	11	4	68	9	2	34
35	65	2	10	67	0	9	68	10	11	70	9	5	35
36	67	1	2	68	11	9	70	10	7	72	9	8	36
37	68	11	7	70	10	9	72	10	2	74	10	0	37
38	70	9	11	72	9	8	74	9	10	76	10	3	38
39	72	8	4	74	8	8	76	9	5	78	10	6	39
40	74	6	8	76	7	8	78	9	1	80	10	9	40
41	76	5	0	78	6	8	80	8	8	82	11	1	41
42	78	3	5	80	5	8	82	8	4	84	11	4	42
43	80	1	9	82	4	8	84	7	11	86	11	7	43
44	82	0	2	84	3	8	86	7	7	88	11	10	44
45	83	10	6	86	2	8	88	7	2	91	0	2	45
46	85	8	10	88	1	8	90	6	10	93	0	5	46
47	87	7	3	90	0	8	92	6	5	95	0	8	47
48	89	5	7	91	11	8	94	6	1	97	0	11	48
49	91	4	0	93	10	8	96	5	8	99	1	3	49
50	93	2	4	95	9	7	98	5	4	101	1	6	50

FEET LONG.	ITS DIAMETER BEING 19 Inches.			19¼ Inches.			19½ Inches.			19¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	6	2	0	6	4	0	6	6	0	6	8	¼
½	1	0	5	1	0	9	1	1	1	1	1	5	½
¾	1	6	8	1	7	2	1	7	8	1	8	2	¾
1	2	0	11	2	1	6	2	2	3	2	2	11	1
2	4	1	10	4	3	1	4	4	6	4	5	10	2
3	6	2	9	6	4	8	6	6	9	6	8	9	3
4	8	3	8	8	6	3	8	9	0	8	11	8	4
5	10	4	7	10	7	10	10	11	3	11	2	7	5
6	12	5	6	12	9	5	13	1	6	13	5	6	6
7	14	6	5	14	11	0	15	3	9	15	8	5	7
8	16	7	4	17	0	7	17	6	0	17	11	5	8
9	18	8	3	19	2	2	19	8	3	20	2	4	9
10	20	9	2	21	3	9	21	10	6	22	5	3	10
11	22	10	1	23	5	4	24	0	9	24	8	2	11
12	24	11	0	25	6	11	26	3	0	26	11	1	12
13	26	11	11	27	8	6	28	5	3	29	2	0	13
14	29	0	10	29	10	1	30	7	6	31	4	11	14
15	31	1	9	31	11	8	32	9	9	33	7	11	15
16	33	2	9	34	1	3	35	0	0	35	10	10	16
17	35	3	8	36	2	10	37	2	3	38	1	9	17
18	37	4	7	38	4	5	39	4	6	40	4	8	18
19	39	5	6	40	6	0	41	6	9	42	7	7	19
20	41	6	5	42	7	7	43	9	0	44	10	6	20
21	43	7	4	44	9	2	45	11	3	47	1	5	21
22	45	8	3	46	10	9	48	1	6	49	4	5	22
23	47	9	2	49	0	4	50	3	9	51	7	4	23
24	49	10	1	51	1	11	52	6	0	53	10	3	24
25	51	11	0	53	3	6	54	8	3	56	1	2	25
26	53	11	11	55	5	1	56	10	6	58	4	1	26
27	56	0	10	57	6	8	59	0	9	60	7	0	27
28	58	1	9	59	8	3	61	3	0	62	9	11	28
29	60	2	8	61	9	10	63	5	3	65	0	11	29
30	62	3	7	63	11	5	65	7	6	67	3	10	30
31	64	4	6	66	1	0	67	9	9	69	6	9	31
32	66	5	6	68	2	7	70	0	0	71	9	8	32
33	68	6	5	70	4	2	72	2	3	74	0	7	33
34	70	7	4	72	5	9	74	4	6	76	3	6	34
35	72	8	3	74	7	4	76	6	9	78	6	5	35
36	74	9	2	76	8	11	78	9	0	80	9	5	36
37	76	10	1	78	10	6	80	11	3	83	0	4	37
38	78	11	0	81	0	1	83	1	6	85	3	3	38
39	80	11	11	83	1	8	85	3	9	87	6	2	39
40	83	0	10	85	3	3	87	6	0	89	9	1	40
41	85	1	9	87	4	10	89	8	3	92	0	0	41
42	87	2	8	89	6	5	91	10	6	94	2	11	42
43	89	3	7	91	8	0	94	0	9	96	5	10	43
44	91	4	6	93	9	7	96	3	0	98	8	10	44
45	93	5	5	95	11	2	98	5	3	100	11	9	45
46	95	6	4	98	0	9	100	7	6	103	2	8	46
47	97	7	3	100	2	4	102	9	9	105	5	7	47
48	99	8	3	102	3	11	105	0	0	107	8	6	48
49	101	9	2	104	5	6	107	2	3	109	11	5	49
50	103	10	1	106	7	1	109	4	6	112	2	4	50

FEET LONG.	ITS DIAMETER BEING 20 Inches.			20¼ Inches.			20½ Inches.			20¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	6	10	0	7	0	0	7	3	0	7	5	¼
½	1	1	9	1	2	1	1	2	6	1	2	10	½
¾	1	8	8	1	9	2	1	9	9	1	10	3	¾
1	2	3	7	2	4	3	2	5	0	2	5	8	1
2	4	7	2	4	8	7	4	10	0	4	11	5	2
3	6	10	10	7	0	11	7	3	0	7	5	2	3
4	9	2	5	9	5	2	9	8	0	9	10	10	4
5	11	6	0	11	9	6	12	1	0	12	4	7	5
6	13	9	8	14	1	10	14	6	0	14	10	4	6
7	16	1	3	16	6	1	16	11	1	17	4	0	7
8	18	4	10	18	10	5	19	4	1	19	9	9	8
9	20	8	6	21	2	9	21	9	1	22	3	6	9
10	23	0	1	23	7	1	24	2	1	24	9	2	10
11	25	3	9	25	11	4	26	7	1	27	2	11	11
12	27	7	4	28	3	8	29	0	1	29	8	8	12
13	29	10	11	30	8	0	31	5	1	32	2	4	13
14	32	2	7	33	0	3	33	10	2	34	8	1	14
15	34	6	2	35	4	7	36	3	2	37	1	10	15
16	36	9	9	37	8	11	38	8	2	39	7	7	16
17	39	1	5	40	1	3	41	1	2	42	1	3	17
18	41	5	0	42	5	6	43	6	2	44	7	0	18
19	43	8	8	44	9	10	45	11	2	47	0	9	19
20	46	0	3	47	2	2	48	4	2	49	6	5	20
21	48	3	10	49	6	5	50	9	3	52	0	2	21
22	50	7	6	51	10	9	53	2	3	54	5	11	22
23	52	11	1	54	3	1	55	7	3	56	11	7	23
24	55	2	8	56	7	5	58	0	3	59	5	4	24
25	57	6	4	58	11	8	60	5	3	61	11	1	25
26	59	9	11	61	4	0	62	10	3	64	4	9	26
27	62	1	7	63	8	4	65	3	3	66	10	6	27
28	64	5	2	66	0	7	67	8	4	69	4	3	28
29	66	8	9	68	4	11	70	1	4	71	10	0	29
30	69	0	5	70	9	3	72	6	4	74	3	8	30
31	71	4	0	73	1	6	74	11	4	76	9	5	31
32	73	7	7	75	5	10	77	4	4	79	3	2	32
33	75	11	3	77	10	2	79	9	4	81	8	10	33
34	78	2	10	80	2	6	82	2	5	84	2	7	34
35	80	6	6	82	6	9	84	7	5	86	8	4	35
36	82	10	1	84	11	1	87	0	5	89	2	0	36
37	85	1	8	87	3	5	89	5	5	91	7	9	37
38	87	5	4	89	7	8	91	10	5	94	1	6	38
39	89	8	11	92	0	0	94	3	5	96	7	2	39
40	92	0	6	94	4	4	96	8	5	99	0	11	40
41	94	4	2	96	8	8	99	1	6	101	6	8	41
42	96	7	9	99	0	11	101	6	6	104	0	5	42
43	98	11	4	101	5	3	103	11	6	106	6	1	43
44	101	3	0	103	9	7	106	4	6	108	11	10	44
45	103	6	7	106	1	10	108	9	6	111	5	7	45
46	105	10	3	108	6	2	111	2	6	113	11	3	46
47	108	1	10	110	10	6	113	7	6	116	5	0	47
48	110	5	5	113	2	9	116	0	7	118	10	9	48
49	112	9	1	115	7	1	118	5	7	121	4	5	49
50	115	0	8	117	11	5	120	10	7	123	10	2	50

FEET LONG.	ITS DIAMETER BEING 21 Inches.			21¼ Inches.			21½ Inches.			21¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	7	7	0	7	9	0	7	11	0	8	1	¼
½	1	3	2	1	3	7	1	3	11	1	4	3	½
¾	1	10	10	1	11	4	1	11	11	2	0	5	¾
1	2	6	5	2	7	2	2	7	10	2	8	7	1
2	5	0	10	5	2	4	5	3	9	5	5	3	2
3	7	7	4	7	9	6	7	11	8	8	1	11	3
4	10	1	9	10	4	8	10	7	7	10	10	7	4
5	12	8	2	12	11	10	13	3	6	13	7	3	5
6	15	2	8	15	7	0	15	11	5	16	3	11	6
7	17	9	1	18	2	2	18	7	4	19	0	7	7
8	20	3	6	20	9	4	21	3	3	21	9	3	8
9	22	10	0	23	4	6	23	11	2	24	5	11	9
10	25	4	5	25	11	8	26	7	1	27	2	6	10
11	27	10	10	28	6	10	29	3	0	29	11	2	11
12	30	5	4	31	2	1	31	10	11	32	7	10	12
13	32	11	9	33	9	3	34	6	10	35	4	6	13
14	35	6	2	36	4	5	37	2	9	38	1	2	14
15	38	0	8	38	11	7	39	10	8	40	9	10	15
16	40	7	1	41	6	9	42	6	7	43	6	6	16
17	43	1	6	44	1	11	45	2	6	46	3	2	17
18	45	8	0	46	9	1	47	10	4	48	11	10	18
19	48	2	5	49	4	3	50	6	3	51	8	6	19
20	50	8	10	51	11	5	53	2	2	54	5	1	20
21	53	3	4	54	6	7	55	10	1	57	1	9	21
22	55	9	9	57	1	9	58	6	0	59	10	5	22
23	58	4	2	59	9	0	61	1	11	62	7	1	23
24	60	10	8	62	4	2	63	9	10	65	3	9	24
25	63	5	1	64	11	4	66	5	9	68	0	5	25
26	65	11	6	67	6	6	69	1	8	70	9	1	26
27	68	6	0	70	1	8	71	9	7	73	5	9	27
28	71	0	5	72	8	10	74	5	6	76	2	5	28
29	73	6	10	75	4	0	77	1	5	78	11	1	29
30	76	1	4	77	11	2	79	9	4	81	7	8	30
31	78	7	9	80	6	4	82	5	3	84	4	4	31
32	81	2	2	83	1	6	85	1	2	87	1	0	32
33	83	8	8	85	8	8	87	9	1	89	9	8	33
34	86	3	1	88	3	10	90	5	0	92	6	4	34
35	88	9	6	90	11	1	93	0	10	95	3	0	35
36	91	4	0	93	6	3	95	8	9	97	11	8	36
37	93	10	5	96	1	5	98	4	8	100	8	4	37
38	96	4	10	98	8	7	101	0	7	103	5	0	38
39	98	11	4	101	3	9	103	8	6	106	1	8	39
40	101	5	9	103	10	11	106	4	5	108	10	3	40
41	104	0	2	106	6	1	109	0	4	111	6	11	41
42	106	6	8	109	1	3	111	8	3	114	3	7	42
43	109	1	1	111	8	5	114	4	2	117	0	3	43
44	111	7	6	114	3	7	117	0	1	119	8	11	44
45	114	2	0	116	10	9	119	8	0	122	5	7	45
46	116	8	5	119	6	0	122	3	11	125	2	3	46
47	119	2	10	122	1	2	124	11	10	127	10	11	47
48	121	9	4	124	8	4	127	7	9	130	7	7	48
49	124	3	9	127	3	6	130	3	8	133	4	3	49
50	126	10	2	129	10	8	132	11	7	136	0	10	50

FEET LONG.	ITS DIAMETER BEING 22 Inches.			22¼ Inches.			22½ Inches.			22¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	8	4	0	8	6	0	8	8	0	8	11	¼
½	1	4	8	1	5	1	1	5	5	1	5	10	½
¾	2	1	0	2	1	7	2	2	2	2	2	9	¾
1	2	9	4	2	10	2	2	10	11	2	11	8	1
2	5	6	9	5	8	4	5	9	10	5	11	5	2
3	8	4	2	8	6	6	8	8	10	8	11	2	3
4	11	1	7	11	4	8	11	7	9	11	10	11	4
5	13	11	0	14	2	10	14	6	8	14	10	7	5
6	16	8	5	17	1	0	17	5	8	17	10	4	6
7	19	5	10	19	11	2	20	4	7	20	10	1	7
8	22	3	3	22	9	4	23	3	7	23	9	10	8
9	25	0	8	25	7	7	26	2	6	26	9	6	9
10	27	10	1	28	5	9	29	1	5	29	9	3	10
11	30	7	6	31	3	11	32	0	5	32	9	0	11
12	33	4	11	34	2	1	34	11	4	35	8	9	12
13	36	2	4	37	0	3	37	10	4	38	8	5	13
14	38	11	9	39	10	5	40	9	3	41	8	2	14
15	41	9	2	42	8	7	43	8	2	44	7	11	15
16	44	6	7	45	6	9	46	7	2	47	7	8	16
17	47	4	0	48	5	0	49	6	1	50	7	4	17
18	50	1	5	51	3	2	52	5	1	53	7	1	18
19	52	10	10	54	1	4	55	4	0	56	6	10	19
20	55	8	3	56	11	6	58	2	11	59	6	7	20
21	58	5	8	59	9	8	61	1	11	62	6	4	21
22	61	3	1	62	7	10	64	0	10	65	6	0	22
23	64	0	6	65	6	0	66	11	10	68	5	9	23
24	66	9	11	68	4	2	69	10	9	71	5	6	24
25	69	7	4	71	2	5	72	9	8	74	5	3	25
26	72	4	8	74	0	7	75	8	8	77	4	11	26
27	75	2	1	76	10	9	78	7	7	80	4	8	27
28	77	11	6	79	8	11	81	6	6	83	4	5	28
29	80	8	11	82	7	1	84	5	6	86	4	2	29
30	83	6	4	85	5	3	87	4	5	89	3	10	30
31	86	3	9	88	3	5	90	3	5	92	3	7	31
32	89	1	2	91	1	7	93	2	4	95	3	4	32
33	91	10	7	93	11	10	96	1	3	98	3	1	33
34	94	8	0	96	10	0	99	0	3	101	2	9	34
35	97	5	5	99	8	2	101	11	2	104	2	6	35
36	100	2	10	102	6	4	104	10	2	107	2	3	36
37	103	0	3	105	4	6	107	9	1	110	2	0	37
38	105	9	8	108	2	8	110	8	0	113	1	9	38
39	108	7	1	111	0	10	113	7	0	116	1	5	39
40	111	4	6	113	11	0	116	5	11	119	1	2	40
41	114	1	11	116	9	3	119	4	11	122	0	11	41
42	116	11	4	119	7	5	122	3	10	125	0	8	42
43	119	8	9	122	5	7	125	2	9	128	0	4	43
44	122	6	2	125	3	9	128	1	9	131	0	1	44
45	125	3	7	128	1	11	131	0	8	133	11	10	45
46	128	1	0	131	0	1	133	11	8	136	11	7	46
47	130	10	5	133	10	3	136	10	7	139	11	3	47
48	133	7	10	136	8	5	139	9	6	142	11	0	48
49	136	5	3	139	6	8	142	8	6	145	10	9	49
50	139	2	8	142	4	10	145	7	5	148	10	6	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	23 Inches.			23¼ Inches.			23½ Inches.			23¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	9	1	0	9	3	0	9	6	0	9	8	¼
½	1	6	3	1	6	7	1	7	0	1	7	5	½
¾	2	3	4	2	3	11	2	4	7	2	5	2	¾
1	3	0	6	3	1	3	3	2	1	3	2	11	1
2	6	1	0	6	2	7	6	4	3	6	5	10	2
3	9	1	6	9	3	11	9	6	4	9	8	9	3
4	12	2	0	12	5	3	12	8	6	12	11	9	4
5	15	2	7	15	6	7	15	10	7	16	2	8	5
6	18	3	1	18	7	10	19	0	9	19	5	7	6
7	21	3	7	21	9	2	22	2	10	22	8	7	7
8	24	4	1	24	10	6	25	5	0	25	11	6	8
9	27	4	8	27	11	10	28	7	1	29	2	5	9
10	30	5	2	31	1	2	31	9	3	32	5	4	10
11	33	5	8	34	2	5	34	11	4	35	8	4	11
12	36	6	2	37	3	9	38	1	6	38	11	3	12
13	39	6	9	40	5	1	41	3	7	42	2	2	13
14	42	7	3	43	6	5	44	5	9	45	5	2	14
15	45	7	9	46	7	9	47	7	10	48	8	1	15
16	48	8	3	49	9	0	50	10	0	51	11	0	16
17	51	8	10	52	10	4	54	0	1	55	1	11	17
18	54	9	4	55	11	8	57	2	3	58	4	11	18
19	57	9	10	59	1	0	60	4	4	61	7	10	19
20	60	10	4	62	2	4	63	6	6	64	10	9	20
21	63	10	11	65	3	7	66	8	7	68	1	9	21
22	66	11	5	68	4	11	69	10	9	71	4	8	22
23	69	11	11	71	6	3	73	0	10	74	7	7	23
24	73	0	5	74	7	7	76	3	0	77	10	6	24
25	76	0	11	77	8	11	79	5	1	81	1	6	25
26	79	1	6	80	10	3	82	7	3	84	4	5	26
27	82	2	0	83	11	6	85	9	4	87	7	4	27
28	85	2	6	87	0	10	88	11	6	90	10	4	28
29	88	3	0	90	2	2	92	1	7	94	1	3	29
30	91	3	7	93	3	6	95	3	9	97	4	2	30
31	94	4	1	96	4	10	98	5	10	100	7	1	31
32	97	4	7	99	6	1	101	8	0	103	10	1	32
33	100	5	1	102	7	5	104	10	1	107	1	0	33
34	103	5	8	105	8	9	108	0	3	110	3	11	34
35	106	6	2	108	10	1	111	2	4	113	6	11	35
36	109	6	8	111	11	5	114	4	6	116	9	10	36
37	112	7	2	115	0	8	117	6	7	120	0	9	37
38	115	7	9	118	2	0	120	8	9	123	3	8	38
39	118	8	3	121	3	4	123	10	10	126	6	8	39
40	121	8	9	124	4	8	127	1	0	129	9	7	40
41	124	9	3	127	6	0	130	3	1	133	0	6	41
42	127	9	10	130	7	3	133	5	3	136	3	6	42
43	130	10	4	133	8	7	136	7	4	139	6	5	43
44	133	10	10	136	9	11	139	9	6	142	9	4	44
45	136	11	4	139	11	3	142	11	7	146	0	3	45
46	139	11	11	143	0	7	146	1	9	149	3	3	46
47	143	0	5	146	1	10	149	3	10	152	6	2	47
48	146	0	11	149	3	2	152	6	0	155	9	1	48
49	149	1	5	152	4	6	155	8	1	159	0	1	49
50	152	1	11	155	5	10	158	10	3	162	3	0	50

FEET LONG.	ITS DIAMETER BEING 24 Inches.			24¼ Inches.			24½ Inches.			24¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	9	11	0	10	1	0	10	4	0	10	6	¼
½	1	7	10	1	8	3	1	8	8	1	9	1	½
¾	2	5	9	2	6	5	2	7	0	2	7	8	¾
1	3	3	9	3	4	7	3	5	5	3	6	3	1
2	6	7	6	6	9	2	6	10	10	7	0	6	2
3	9	11	3	10	1	9	10	4	3	10	6	10	3
4	13	3	0	13	6	4	13	9	9	14	1	1	4
5	16	6	9	16	10	11	17	3	2	17	7	5	5
6	19	10	7	20	3	7	20	8	7	21	1	8	6
7	23	2	4	23	8	2	24	2	0	24	8	0	7
8	26	6	1	27	0	9	27	7	6	28	2	3	8
9	29	9	10	30	5	4	31	0	11	31	8	7	9
10	33	1	7	33	9	11	34	6	4	35	2	10	10
11	36	5	4	37	2	6	37	11	9	38	9	2	11
12	39	9	2	40	7	2	41	5	3	42	3	5	12
13	43	0	11	43	11	9	44	10	8	45	9	9	13
14	46	4	8	47	4	4	48	4	1	49	4	0	14
15	49	8	5	50	8	11	51	9	6	52	10	3	15
16	53	0	2	54	1	6	55	3	0	56	4	7	16
17	56	3	11	57	6	1	58	8	5	59	10	10	17
18	59	7	9	60	10	9	62	1	10	63	5	2	18
19	62	11	6	64	3	4	65	7	4	66	11	5	19
20	66	3	3	67	7	11	69	0	9	70	5	9	20
21	69	7	0	71	0	6	72	6	2	74	0	0	21
22	72	10	9	74	5	1	75	11	7	77	6	4	22
23	76	2	7	77	9	8	79	5	1	81	0	7	23
24	79	6	4	81	2	4	82	10	6	84	6	11	24
25	82	10	1	84	6	11	86	3	11	88	1	2	25
26	86	1	10	87	11	6	89	9	4	91	7	6	26
27	89	5	7	91	4	1	93	2	10	95	1	9	27
28	92	9	4	94	8	8	96	8	3	98	8	1	28
29	96	1	2	98	1	3	100	1	8	102	2	4	29
30	99	4	11	101	5	11	103	7	1	105	8	7	30
31	102	8	8	104	10	6	107	0	7	109	2	11	31
32	106	0	5	108	3	1	110	6	0	112	9	2	32
33	109	4	2	111	7	8	113	11	5	116	3	6	33
34	112	7	11	115	0	3	117	4	11	119	9	9	34
35	115	11	9	118	4	10	120	10	4	123	4	1	35
36	119	3	6	121	9	6	124	3	9	126	10	4	36
37	122	7	3	125	2	1	127	9	2	130	4	8	37
38	125	11	0	128	6	8	131	2	8	133	10	11	38
39	129	2	9	131	11	3	134	8	1	137	5	3	39
40	132	6	7	135	3	10	138	1	6	140	11	6	40
41	135	10	4	138	8	5	141	6	11	144	5	10	41
42	139	2	1	142	1	1	145	0	5	148	0	1	42
43	142	5	10	145	5	8	148	5	10	151	6	5	43
44	145	9	7	148	10	3	151	11	3	155	0	8	44
45	149	1	4	152	2	10	155	4	8	158	6	11	45
46	152	5	2	155	7	5	158	10	2	162	1	3	46
47	155	8	11	159	0	0	162	3	7	165	7	6	47
48	159	0	8	162	4	8	165	9	0	169	1	10	48
49	162	4	5	165	9	3	169	2	5	172	8	1	49
50	165	8	2	169	1	10	172	7	11	176	2	5	50

FEET LONG.	ITS DIAMETER BEING 25 Inches.			25½ Inches.			25½ Inches.			25¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	10	9	0	11	0	0	11	2	0	11	5	¼
½	1	9	6	1	10	0	1	10	5	1	10	10	½
¾	2	8	4	2	9	0	2	9	8	2	10	3	¾
1	3	7	1	3	8	0	3	8	10	3	9	9	1
2	7	2	3	7	4	0	7	5	9	7	7	6	2
3	10	9	5	11	0	0	11	2	8	11	5	3	3
4	14	4	7	14	8	0	14	11	6	15	3	1	4
5	17	11	8	18	4	0	18	8	5	19	0	10	5
6	21	6	10	22	0	1	22	5	4	22	10	7	6
7	25	2	0	25	8	1	26	2	2	26	8	5	7
8	28	9	2	29	4	1	29	11	1	30	6	2	8
9	32	4	3	33	0	1	33	8	0	34	3	11	9
10	35	11	5	36	8	1	37	4	10	38	1	9	10
11	39	6	7	40	4	1	41	1	9	41	11	6	11
12	43	1	9	44	0	2	44	10	8	45	9	3	12
13	46	8	10	47	8	2	48	7	6	49	7	0	13
14	50	4	0	51	4	2	52	4	5	53	4	10	14
15	53	11	2	55	0	2	56	1	4	57	2	7	15
16	57	6	4	58	8	2	59	10	2	61	0	4	16
17	61	1	6	62	4	2	63	7	1	64	10	2	17
18	64	8	7	66	0	3	67	4	0	68	7	11	18
19	68	3	9	69	8	3	71	0	11	72	5	8	19
20	71	10	11	73	4	3	74	9	9	76	3	6	20
21	75	6	1	77	0	3	78	6	8	80	1	3	21
22	79	1	2	80	8	3	82	3	7	83	11	0	22
23	82	8	4	84	4	4	86	0	5	87	8	9	23
24	86	3	6	88	0	4	89	9	4	91	6	7	24
25	89	10	8	91	8	4	93	6	3	95	4	4	25
26	93	5	9	95	4	4	97	3	1	99	2	1	26
27	97	0	11	99	0	4	101	0	0	102	11	11	27
28	100	8	1	102	8	4	104	8	11	106	9	8	28
29	104	3	3	106	4	5	108	5	9	110	7	5	29
30	107	10	5	110	0	5	112	2	8	114	5	3	30
31	111	5	6	113	8	5	115	11	7	118	3	0	31
32	115	0	8	117	4	5	119	8	5	122	0	9	32
33	118	7	10	121	0	5	123	5	4	125	10	6	33
34	122	3	0	124	8	5	127	2	3	129	8	4	34
35	125	10	1	128	4	6	130	11	2	133	6	1	35
36	129	5	3	132	0	6	134	8	0	137	3	10	36
37	133	0	5	135	8	6	138	4	11	141	1	8	37
38	136	7	7	139	4	6	142	1	10	144	11	5	38
39	140	2	8	143	0	6	145	10	8	148	9	2	39
40	143	9	10	146	8	7	149	7	7	152	7	0	40
41	147	5	0	150	4	7	153	4	6	156	4	9	41
42	151	0	2	154	0	7	157	1	4	160	2	6	42
43	154	7	4	157	8	7	160	10	3	164	0	3	43
44	158	2	5	161	4	7	164	7	2	167	10	1	44
45	161	9	7	165	0	7	168	4	0	171	7	10	45
46	165	4	9	168	8	8	172	0	11	175	5	7	46
47	168	11	11	172	4	8	175	9	10	179	3	5	47
48	172	7	0	176	0	8	179	6	8	183	1	2	48
49	176	2	2	179	8	8	183	3	7	186	10	11	49
50	179	9	4	183	4	8	187	0	6	190	8	9	50

FEET LONG.	ITS DIAMETER BEING 26 Inches.			26¼ Inches.			26½ Inches.			26¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	0	11	8	0	11	10	1	0	1	1	0	4	¼
½	1	11	4	1	11	9	2	0	2	2	0	8	½
¾	2	11	0	2	11	8	3	0	4	3	1	0	¾
1	3	10	8	3	11	6	4	0	5	4	1	4	1
2	7	9	4	7	11	1	8	0	11	8	2	9	2
3	11	8	0	11	10	8	12	1	5	12	4	2	3
4	15	6	8	15	10	3	16	1	11	16	5	7	4
5	19	5	4	19	9	10	20	2	4	20	6	11	5
6	23	4	0	23	9	5	24	2	10	24	8	4	6
7	27	2	8	27	8	11	28	3	4	28	9	9	7
8	31	1	4	31	8	6	32	3	10	32	11	2	8
9	35	0	0	35	8	1	36	4	3	37	0	7	9
10	38	10	8	39	7	8	40	4	9	41	1	11	10
11	42	9	4	43	7	3	44	5	3	45	3	4	11
12	46	8	0	47	6	10	48	5	9	49	4	9	12
13	50	6	8	51	6	4	52	6	2	53	6	2	13
14	54	5	4	55	5	11	56	6	8	57	7	7	14
15	58	4	0	59	5	6	60	7	2	61	8	11	15
16	62	2	8	63	5	1	64	7	8	65	10	4	16
17	66	1	4	67	4	8	68	8	2	69	11	9	17
18	70	0	0	71	4	3	72	8	7	74	1	2	18
19	73	10	8	75	3	9	76	9	1	78	2	7	19
20	77	9	4	79	3	4	80	9	7	82	3	11	20
21	81	8	0	83	2	11	84	10	1	86	5	4	21
22	85	6	8	87	2	6	88	10	6	90	6	9	22
23	89	5	4	91	2	1	92	11	0	94	8	2	23
24	93	4	0	95	1	8	96	11	6	98	9	7	24
25	97	2	8	99	1	3	101	0	0	102	10	11	25
26	101	1	4	103	0	9	105	0	5	107	0	4	26
27	105	0	0	107	0	4	109	0	11	111	1	9	27
28	108	10	8	110	11	11	113	1	5	115	3	2	28
29	112	9	4	114	11	6	117	1	11	119	4	7	29
30	116	8	0	118	11	1	121	2	4	123	5	11	30
31	120	6	8	122	10	8	125	2	10	127	7	4	31
32	124	5	4	126	10	2	129	3	4	131	8	9	32
33	128	4	0	130	9	9	133	3	10	135	10	2	33
34	132	2	8	134	9	4	137	4	4	139	11	6	34
35	136	1	4	138	8	11	141	4	9	144	0	11	35
36	140	0	0	142	8	6	145	5	3	148	2	4	36
37	143	10	8	146	8	1	149	5	9	152	3	9	37
38	147	9	4	150	7	7	153	6	3	156	5	2	38
39	151	8	0	154	7	2	157	6	8	160	6	6	39
40	155	6	8	158	6	9	161	7	2	164	7	11	40
41	159	5	4	162	6	4	165	7	8	168	9	4	41
42	163	4	0	166	5	11	169	8	2	172	10	9	42
43	167	2	8	170	5	6	173	8	7	177	0	2	43
44	171	1	4	174	5	0	177	9	1	181	1	6	44
45	175	0	0	178	4	7	181	9	7	185	2	11	45
46	178	10	8	182	4	2	185	10	1	189	4	4	46
47	182	9	4	186	3	9	189	10	6	193	5	9	47
48	186	8	0	190	3	4	193	11	0	197	7	2	48
49	190	6	8	194	2	11	197	11	6	201	8	6	49
50	194	5	4	198	2	6	202	0	0	205	9	11	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	27 Inches.			27¼ Inches.			27½ Inches.			27¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	0	6	1	0	9	1	1	0	1	1	3	¼
½	2	1	1	2	1	7	2	2	1	2	2	6	½
¾	3	1	8	3	2	5	3	3	1	3	3	10	¾
1	4	2	3	4	3	3	4	4	2	4	5	1	1
2	8	4	7	8	6	6	8	8	5	8	10	3	2
3	12	6	11	12	9	9	13	0	7	13	3	5	3
4	16	9	3	17	1	0	17	4	10	17	8	7	4
5	20	11	7	21	4	3	21	9	0	22	1	9	5
6	25	1	11	25	7	6	26	1	3	26	6	11	6
7	29	4	3	29	10	10	30	5	5	31	0	1	7
8	33	6	7	34	2	1	34	9	8	35	5	3	8
9	37	8	11	38	5	4	39	1	10	39	10	5	9
10	41	11	3	42	8	7	43	6	1	44	3	7	10
11	46	1	7	46	11	10	47	10	3	48	8	9	11
12	50	3	11	51	3	1	52	2	6	53	1	11	12
13	54	6	3	55	6	5	56	6	8	57	7	1	13
14	58	8	6	59	9	8	60	10	11	62	0	3	14
15	62	10	10	64	0	11	65	3	1	66	5	5	15
16	67	1	2	68	4	2	69	7	4	70	10	7	16
17	71	3	6	72	7	5	73	11	6	75	3	9	17
18	75	5	10	76	10	8	78	3	9	79	8	10	18
19	79	8	2	81	2	0	82	7	11	84	2	0	19
20	83	10	6	85	5	3	87	0	2	88	7	2	20
21	88	0	10	89	8	6	91	4	4	93	0	4	21
22	92	3	2	93	11	9	95	8	7	97	5	6	22
23	96	5	6	98	3	0	100	0	9	101	10	8	23
24	100	7	10	102	6	3	104	5	0	106	3	10	24
25	104	10	2	106	9	7	108	9	2	110	9	0	25
26	109	0	6	111	0	10	113	1	5	115	2	2	26
27	113	2	9	115	4	1	117	5	7	119	7	4	27
28	117	5	1	119	7	4	121	9	10	124	0	6	28
29	121	7	5	123	10	7	126	2	0	128	5	8	29
30	125	9	9	128	1	10	130	6	3	132	10	10	30
31	130	0	1	132	5	1	134	10	5	137	4	0	31
32	134	2	5	136	8	5	139	2	8	141	9	2	32
33	138	4	9	140	11	8	143	6	10	146	2	4	33
34	142	7	1	145	2	11	147	11	1	150	7	6	34
35	146	9	5	149	6	2	152	3	3	155	0	7	35
36	150	11	9	153	9	5	156	7	6	159	5	9	36
37	155	2	1	158	0	8	160	11	8	163	10	11	37
38	159	4	5	162	4	0	165	3	11	168	4	1	38
39	163	6	9	166	7	3	169	8	1	172	9	3	39
40	167	9	1	170	10	6	174	0	4	177	2	5	40
41	171	11	4	175	1	9	178	4	6	181	7	7	41
42	176	1	8	179	5	0	182	8	9	186	0	9	42
43	180	4	0	183	8	3	187	0	11	190	5	11	43
44	184	6	4	187	11	7	191	5	2	194	11	1	44
45	188	8	8	192	2	10	195	9	4	199	4	3	45
46	192	11	0	196	6	1	200	1	7	203	9	5	46
47	197	1	4	200	9	4	204	5	9	208	2	7	47
48	201	3	8	205	0	7	208	10	0	212	7	9	48
49	205	6	0	209	3	10	213	2	2	217	0	11	49
50	209	8	4	213	7	2	217	6	5	221	6	1	50

FEET LONG.	ITS DIAMETER BEING 28 Inches.			28¼ Inches.			28½ Inches.			28¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	1	6	1	1	9	1	2	0	1	2	3	¼
½	2	3	0	2	3	6	2	4	0	2	4	6	½
¾	3	4	7	3	5	3	3	6	0	3	6	9	¾
1	4	6	1	4	7	1	4	8	0	4	9	0	1
2	9	0	2	9	2	2	9	4	1	9	6	1	2
3	13	6	4	13	9	3	14	0	2	14	3	2	3
4	18	0	5	18	4	4	18	8	3	19	0	2	4
5	22	6	7	22	11	5	23	4	4	23	9	3	5
6	27	0	8	27	6	6	28	0	5	28	6	4	6
7	31	6	10	32	1	7	32	8	6	33	3	5	7
8	36	0	11	36	8	9	37	4	7	38	0	5	8
9	40	7	1	41	3	10	42	0	8	42	9	6	9
10	45	1	2	45	10	11	46	8	8	47	6	7	10
11	49	7	4	50	6	0	51	4	9	52	3	8	11
12	54	1	5	55	1	1	56	0	10	57	0	8	12
13	58	7	7	59	8	2	60	8	11	61	9	9	13
14	63	1	8	64	3	3	65	5	0	66	6	10	14
15	67	7	10	68	10	5	70	1	1	71	3	11	15
16	72	1	11	73	5	6	74	9	2	76	0	11	16
17	76	8	1	78	0	7	79	5	3	80	10	0	17
18	81	2	2	82	7	8	84	1	4	85	7	1	18
19	85	8	4	87	2	9	88	9	4	90	4	2	19
20	90	2	5	91	9	10	93	5	5	95	1	2	20
21	94	8	7	96	4	11	98	1	6	99	10	3	21
22	99	2	8	101	0	1	102	9	7	104	7	4	22
23	103	8	10	105	7	2	107	5	8	109	4	5	23
24	108	2	11	110	2	3	112	1	9	114	1	5	24
25	112	9	1	114	9	4	116	9	10	118	10	6	25
26	117	3	2	119	4	5	121	5	11	123	7	7	26
27	121	9	4	123	11	6	126	2	0	128	4	8	27
28	126	3	5	128	6	7	130	10	0	133	1	8	28
29	130	9	7	133	1	9	135	6	1	137	10	9	29
30	135	3	8	137	8	10	140	2	2	142	7	10	30
31	139	9	10	142	3	11	144	10	3	147	4	11	31
32	144	3	11	146	11	0	149	6	4	152	1	11	32
33	148	10	1	151	6	1	154	2	5	156	11	0	33
34	153	4	2	156	1	2	158	10	6	161	8	1	34
35	157	10	4	160	8	3	163	6	7	166	5	2	35
36	162	4	5	165	3	5	168	2	8	171	2	2	36
37	166	10	7	169	10	6	172	10	9	175	11	3	37
38	171	4	8	174	5	7	177	6	9	180	8	4	38
39	175	10	10	179	0	8	182	2	10	185	5	5	39
40	180	4	11	183	7	9	186	10	11	190	2	5	40
41	184	11	1	188	2	10	191	7	0	194	11	6	41
42	189	5	2	192	9	11	196	3	1	199	8	7	42
43	193	11	4	197	5	0	200	11	2	204	5	8	43
44	198	5	5	202	0	2	205	7	3	209	2	8	44
45	202	11	7	206	7	3	210	3	4	213	11	9	45
46	207	5	8	211	2	4	214	11	5	218	8	10	46
47	211	11	9	215	9	5	219	7	5	223	5	11	47
48	216	5	11	220	4	6	224	3	6	228	2	11	48
49	221	0	0	224	11	7	228	11	7	233	0	0	49
50	225	6	2	229	6	8	233	7	8	237	9	1	50

FEET LONG.	ITS DIAMETER BEING 29 Inches.			29¼ Inches.			29½ Inches.			29¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	2	6	1	2	9	1	3	0	1	3	3	¼
½	2	5	0	2	5	6	2	6	0	2	6	6	½
¾	3	7	6	3	8	3	3	9	0	3	9	9	¾
1	4	10	0	4	11	0	5	0	0	5	1	1	1
2	9	8	1	9	10	1	10	0	1	10	2	2	2
3	14	6	2	14	9	2	15	0	2	15	3	3	3
4	19	4	2	19	8	3	20	0	3	20	4	4	4
5	24	2	3	24	7	3	25	0	4	25	5	6	5
6	29	0	4	29	6	4	30	0	5	30	6	7	6
7	33	10	4	34	5	5	35	0	6	35	7	8	7
8	38	8	5	39	4	6	40	0	7	40	8	9	8
9	43	6	6	44	3	6	45	0	8	45	9	10	9
10	48	4	7	49	2	7	50	0	9	50	11	0	10
11	53	2	7	54	1	8	55	0	10	56	0	1	11
12	58	0	8	59	0	9	60	0	11	61	1	2	12
13	62	10	9	63	11	10	65	1	0	66	2	3	13
14	67	8	9	68	10	10	70	1	1	71	3	4	14
15	72	6	10	73	9	11	75	1	2	76	4	6	15
16	77	4	11	78	9	0	80	1	3	81	5	7	16
17	82	3	0	83	8	1	85	1	4	86	6	8	17
18	87	1	0	88	7	1	90	1	4	91	7	9	18
19	91	11	1	93	6	2	95	1	5	96	8	11	19
20	96	9	2	98	5	3	100	1	6	101	10	0	20
21	101	7	2	103	4	4	105	1	7	106	11	1	21
22	106	5	3	108	3	5	110	1	8	112	0	2	22
23	111	3	4	113	2	5	115	1	9	117	1	3	23
24	116	1	5	118	1	6	120	1	10	122	2	5	24
25	120	11	5	123	0	7	125	1	11	127	3	6	25
26	125	9	6	127	11	8	130	2	0	132	4	7	26
27	130	7	7	132	10	8	135	2	1	137	5	8	27
28	135	5	7	137	9	9	140	2	2	142	6	9	28
29	140	3	8	142	8	10	145	2	3	147	7	11	29
30	145	1	9	147	7	11	150	2	4	152	9	0	30
31	149	11	9	152	6	11	155	2	5	157	10	1	31
32	154	9	10	157	6	0	160	2	6	162	11	2	32
33	159	7	11	162	5	1	165	2	7	168	0	4	33
34	164	6	0	167	4	2	170	2	8	173	1	5	34
35	169	4	0	172	3	3	175	2	8	178	2	6	35
36	174	2	1	177	2	3	180	2	9	183	3	7	36
37	179	0	2	182	1	4	185	2	10	188	4	8	37
38	183	10	2	187	0	5	190	2	11	193	5	10	38
39	188	8	3	191	11	6	195	3	0	198	6	11	39
40	193	6	4	196	10	6	200	3	1	203	8	0	40
41	198	4	5	201	9	7	205	3	2	208	9	1	41
42	203	2	5	206	8	8	210	3	3	213	10	2	42
43	208	0	6	211	7	9	215	3	4	218	11	4	43
44	212	10	7	216	6	10	220	3	5	224	0	5	44
45	217	8	7	221	5	10	225	3	6	229	1	6	45
46	222	6	8	226	4	11	230	3	7	234	2	7	46
47	227	4	9	231	4	0	235	3	8	239	3	8	47
48	232	2	10	236	3	1	240	3	9	244	4	10	48
49	237	0	10	241	2	1	245	3	10	249	5	11	49
50	241	10	11	246	1	2	250	3	11	254	7	0	50

FEET LONG.	ITS DIAMETER BEING 30 Inches.			30¼ Inches.			30½ Inches.			30¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	3	6	1	3	9	1	4	0	1	4	3	¼
½	2	7	0	2	7	7	2	8	1	2	8	7	½
¾	3	10	7	3	11	4	4	0	1	4	0	11	¾
1	5	2	1	5	3	2	5	4	2	5	5	3	1
2	10	4	3	10	6	4	10	8	5	10	10	6	2
3	15	6	4	15	9	6	16	0	7	16	3	9	3
4	20	8	6	21	0	8	21	4	10	21	9	1	4
5	25	10	7	26	3	10	26	9	1	27	2	4	5
6	31	0	9	31	7	0	32	1	3	32	7	7	6
7	36	2	11	36	10	2	37	5	6	38	0	11	7
8	41	5	0	42	1	4	42	9	9	43	6	2	8
9	46	7	2	47	4	6	48	1	11	48	11	5	9
10	51	9	3	52	7	8	53	6	2	54	4	9	10
11	56	11	5	57	10	10	58	10	5	59	10	0	11
12	62	1	7	63	2	0	64	2	7	65	3	3	12
13	67	3	8	68	5	2	69	6	10	70	8	7	13
14	72	5	10	73	8	4	74	11	1	76	1	10	14
15	77	7	11	78	11	6	80	3	3	81	7	1	15
16	82	10	1	84	2	9	85	7	6	87	0	5	16
17	88	0	2	89	5	11	90	11	8	92	5	8	17
18	93	2	4	94	9	1	96	3	11	97	10	11	18
19	98	4	6	100	0	3	101	8	2	103	4	3	19
20	103	6	7	105	3	5	107	0	4	108	9	6	20
21	108	8	9	110	6	7	112	4	7	114	2	9	21
22	113	10	10	115	9	9	117	8	10	119	8	1	22
23	119	1	0	121	0	11	123	1	0	125	1	4	23
24	124	3	2	126	4	1	128	5	3	130	6	7	24
25	129	5	3	131	7	3	133	9	6	135	11	11	25
26	134	7	5	136	10	5	139	1	8	141	5	2	26
27	139	9	6	142	1	7	144	5	11	146	10	5	27
28	144	11	8	147	4	9	149	10	2	152	3	9	28
29	150	1	10	152	7	11	155	2	4	157	9	0	29
30	155	3	11	157	11	1	160	6	7	163	2	4	30
31	160	6	1	163	2	4	165	10	10	168	7	7	31
32	165	8	2	168	5	6	171	3	0	174	0	10	32
33	170	10	4	173	8	8	176	7	3	179	6	1	33
34	176	0	5	178	11	10	181	11	5	184	11	5	34
35	181	2	7	184	3	0	187	3	8	190	4	8	35
36	186	4	9	189	6	2	192	7	11	195	9	11	36
37	191	6	10	194	9	4	198	0	1	201	3	3	37
38	196	9	0	200	0	6	203	4	4	206	8	6	38
39	201	11	1	205	3	8	208	8	7	212	1	10	39
40	207	1	3	210	6	10	214	0	9	217	7	1	40
41	212	3	5	215	10	0	219	5	0	223	0	4	41
42	217	5	6	221	1	2	224	9	3	228	5	7	42
43	222	7	8	226	4	4	230	1	5	233	10	11	43
44	227	9	9	231	7	6	235	5	8	239	4	2	44
45	232	11	11	236	10	8	240	9	11	244	9	5	45
46	238	2	1	242	1	10	246	2	1	250	2	9	46
47	243	4	2	247	5	1	251	6	4	255	8	0	47
48	248	6	4	252	8	3	256	10	7	261	1	3	48
49	253	8	5	257	11	5	262	2	9	266	6	7	49
50	258	10	7	263	2	7	267	7	0	271	11	10	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	31 Inches.			31¼ Inches.			31½ Inches.			31¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	4	7	1	4	10	1	5	1	1	5	4	¼
½	2	9	2	2	9	8	2	10	3	2	10	9	½
¾	4	1	9	4	2	6	4	3	4	4	4	2	¾
1	5	6	4	5	7	5	5	8	6	5	9	7	1
2	11	0	8	11	2	10	11	5	0	11	7	2	2
3	16	7	0	16	10	3	17	1	6	17	4	9	3
4	22	1	4	22	5	8	22	10	0	23	2	4	4
5	27	7	8	28	1	1	28	6	6	28	11	11	5
6	33	2	0	33	8	6	34	3	0	34	9	6	6
7	38	8	4	39	3	11	39	11	6	40	7	1	7
8	44	2	8	44	11	4	45	8	0	46	4	8	8
9	49	9	1	50	6	9	51	4	6	52	2	3	9
10	55	3	5	56	2	2	57	1	0	57	11	11	10
11	60	9	9	61	9	7	62	9	6	63	9	6	11
12	66	4	1	67	5	0	68	6	0	69	7	1	12
13	71	10	5	73	0	5	74	2	6	75	4	8	13
14	77	4	9	78	7	10	79	11	0	81	2	3	14
15	82	11	1	84	3	3	85	7	6	86	11	10	15
16	88	5	5	89	10	8	91	4	0	92	9	5	16
17	93	11	10	95	6	1	97	0	6	98	7	0	17
18	99	6	2	101	1	6	102	9	0	104	4	7	18
19	105	0	6	106	8	11	108	5	6	110	2	3	19
20	110	6	10	112	4	4	114	2	0	115	11	10	20
21	116	1	2	117	11	9	119	10	6	121	9	5	21
22	121	7	6	123	7	2	125	7	0	127	7	0	22
23	127	1	10	129	2	7	131	3	6	133	4	7	23
24	132	8	2	134	10	0	137	0	0	139	2	2	24
25	138	2	7	140	5	5	142	8	6	144	11	9	25
26	143	8	11	146	0	10	148	5	0	150	9	4	26
27	149	3	3	151	8	3	154	1	6	156	6	11	27
28	154	9	7	157	3	8	159	10	0	162	4	7	28
29	160	3	11	162	11	1	165	6	6	168	2	2	29
30	165	10	3	168	6	6	171	3	0	173	11	9	30
31	171	4	7	174	1	11	176	11	6	179	9	4	31
32	176	10	11	179	9	4	182	8	0	185	6	11	32
33	182	5	3	185	4	9	188	4	6	191	4	6	33
34	187	11	8	191	0	2	194	1	0	197	2	1	34
35	193	6	0	196	7	7	199	9	6	202	11	8	35
36	199	0	4	202	3	0	205	6	0	208	9	3	36
37	204	6	8	207	10	5	211	2	6	214	6	11	37
38	210	1	0	213	5	10	216	11	0	220	4	6	38
39	215	7	4	219	1	3	222	7	6	226	2	1	39
40	221	1	8	224	8	8	228	4	0	231	11	8	40
41	226	8	0	230	4	1	234	0	6	237	9	3	41
42	232	2	5	235	11	6	239	9	0	243	6	10	42
43	237	8	9	241	6	11	245	5	6	249	4	5	43
44	243	3	1	247	2	4	251	2	0	255	2	0	44
45	248	9	5	252	9	9	256	10	6	260	11	7	45
46	254	3	9	258	5	2	262	7	0	266	9	3	46
47	259	10	1	264	0	7	268	3	6	272	6	10	47
48	265	4	5	269	8	0	274	0	0	278	4	5	48
49	270	10	9	275	3	5	279	8	6	284	2	0	49
50	276	5	2	280	10	10	285	5	0	289	11	7	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	32 Inches.			32¼ Inches.			32½ Inches.			32¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	5	8	1	5	11	1	6	2	1	6	6	¼
½	2	11	4	2	11	10	3	0	5	3	1	0	½
¾	4	5	0	4	5	10	4	6	8	4	7	6	¾
1	5	10	8	5	11	9	6	0	11	6	2	0	1
2	11	9	4	11	11	7	12	1	10	12	4	1	2
3	17	8	0	17	11	4	18	2	9	18	6	1	3
4	23	6	9	23	11	2	24	3	8	24	8	2	4
5	29	5	5	29	11	0	30	4	7	30	10	2	5
6	35	4	1	35	10	9	36	5	6	37	0	3	6
7	41	2	10	41	10	7	42	6	5	43	2	3	7
8	47	1	6	47	10	4	48	7	4	49	4	4	8
9	53	0	2	53	10	2	54	8	3	55	6	4	9
10	58	10	11	59	10	0	60	9	2	61	8	5	10
11	64	9	7	65	9	9	66	10	1	67	10	5	11
12	70	8	3	71	9	7	72	11	0	74	0	6	12
13	76	7	0	77	9	5	78	11	11	80	2	7	13
14	82	5	8	83	9	2	85	0	10	86	4	7	14
15	88	4	4	89	9	0	91	1	9	92	6	8	15
16	94	3	0	95	8	9	97	2	8	98	8	8	16
17	100	1	9	101	8	7	103	3	7	104	10	9	17
18	106	0	5	107	8	5	109	4	6	111	0	9	18
19	111	11	1	113	8	2	115	5	5	117	2	10	19
20	117	9	10	119	8	0	121	6	4	123	4	10	20
21	123	8	6	125	7	9	127	7	3	129	6	11	21
22	129	7	2	131	7	7	133	8	2	135	8	11	22
23	135	5	11	137	7	5	139	9	1	141	11	0	23
24	141	4	7	143	7	2	145	10	0	148	1	1	24
25	147	3	3	149	7	0	151	10	11	154	3	1	25
26	153	2	0	155	6	10	157	11	10	160	5	2	26
27	159	0	8	161	6	7	164	0	9	166	7	2	27
28	164	11	4	167	6	5	170	1	8	172	9	3	28
29	170	10	1	173	6	2	176	2	7	178	11	3	29
30	176	8	9	179	6	0	182	3	6	185	1	4	30
31	182	7	5	185	5	10	188	4	5	191	3	4	31
32	188	6	1	191	5	7	194	5	4	197	5	5	32
33	194	4	10	197	5	5	200	6	3	203	7	5	33
34	200	3	6	203	5	3	206	7	2	209	9	6	34
35	206	2	2	209	5	0	212	8	2	215	11	7	35
36	212	0	11	215	4	10	218	9	1	222	1	7	36
37	217	11	7	221	4	7	224	10	0	228	3	8	37
38	223	10	3	227	4	5	230	10	11	234	5	8	38
39	229	9	0	233	4	3	236	11	10	240	7	9	39
40	235	7	8	239	4	0	243	0	9	246	9	9	40
41	241	6	4	245	3	10	249	1	8	252	11	10	41
42	247	5	1	251	3	7	255	2	7	259	1	10	42
43	253	3	9	257	3	5	261	3	6	265	3	11	43
44	259	2	5	263	3	3	267	4	5	271	5	11	44
45	265	1	2	269	3	0	273	5	4	277	8	0	45
46	270	11	10	275	2	10	279	6	3	283	10	0	46
47	276	10	6	281	2	8	285	7	2	290	0	1	47
48	282	9	2	287	2	5	291	8	1	296	2	2	48
49	288	7	11	293	2	3	297	9	0	302	4	2	49
50	294	6	7	299	2	0	303	9	11	308	6	3	50

FEET LONG.	ITS DIAMETER BEING 33 Inches.			33¼ Inches.			33½ Inches.			33¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	6	9	1	7	0	1	7	4	1	7	7	¼
½	3	1	7	3	2	1	3	2	8	3	3	3	½
¾	4	8	4	4	9	2	4	10	1	4	10	11	¾
1	6	3	2	6	4	3	6	5	5	6	6	7	1
2	12	6	4	12	8	7	12	10	11	13	1	3	2
3	18	9	6	19	0	11	19	4	5	19	7	10	3
4	25	0	8	25	5	3	25	9	10	26	2	6	4
5	31	3	10	31	9	7	32	3	4	32	9	2	5
6	37	7	0	38	1	11	38	8	10	39	3	9	6
7	43	10	3	44	6	3	45	2	3	45	10	5	7
8	50	1	5	50	10	7	51	7	9	52	5	1	8
9	56	4	7	57	2	10	58	1	3	58	11	8	9
10	62	7	9	63	7	2	64	6	9	65	6	4	10
11	68	10	11	69	11	6	71	0	2	72	0	11	11
12	75	2	1	76	3	10	77	5	8	78	7	7	12
13	81	5	4	82	8	2	83	11	2	85	2	3	13
14	87	8	6	89	0	6	90	4	7	91	8	10	14
15	93	11	8	95	4	10	96	10	1	98	3	6	15
16	100	2	10	101	9	2	103	3	7	104	10	2	16
17	106	6	0	108	1	5	109	9	0	111	4	9	17
18	112	9	2	114	5	9	116	2	6	117	11	5	18
19	119	0	5	120	10	1	122	8	0	124	6	1	19
20	125	3	7	127	2	5	129	1	6	131	0	8	20
21	131	6	9	133	6	9	135	6	11	137	7	4	21
22	137	9	11	139	11	1	142	0	5	144	1	11	22
23	144	1	1	146	3	5	148	5	11	150	8	7	23
24	150	4	3	152	7	9	154	11	4	157	3	3	24
25	156	7	6	159	0	1	161	4	10	163	9	10	25
26	162	10	8	162	4	4	167	10	4	170	4	6	26
27	169	1	10	171	8	8	174	3	10	176	11	2	27
28	175	5	0	178	1	0	180	9	3	183	5	9	28
29	181	8	2	184	5	4	187	2	9	190	0	5	29
30	187	11	4	190	9	8	193	8	3	196	7	1	30
31	194	2	6	197	2	0	200	1	8	203	1	8	31
32	200	5	9	203	6	4	206	7	2	209	8	4	32
33	206	8	11	209	10	8	213	0	8	216	2	11	33
34	213	0	1	216	2	11	219	6	1	222	9	7	34
35	219	3	3	222	7	3	225	11	7	229	4	3	35
36	225	6	5	228	11	7	232	5	1	235	10	10	36
37	231	9	7	235	3	11	238	10	7	242	5	6	37
38	238	0	10	241	8	3	245	4	0	249	0	2	38
39	244	4	0	248	0	7	251	9	6	255	6	9	39
40	250	7	2	254	4	11	258	3	0	262	1	5	40
41	256	10	4	260	9	3	264	8	5	268	8	0	41
42	263	1	6	267	1	7	271	1	11	275	2	8	42
43	269	4	8	273	5	10	277	7	5	281	9	4	43
44	275	7	11	279	10	2	284	0	11	288	3	11	44
45	281	11	1	286	2	6	290	6	4	294	10	7	45
46	288	2	3	292	6	10	296	11	10	301	5	3	46
47	294	5	5	298	11	2	303	5	4	307	11	10	47
48	300	8	7	305	3	6	309	10	9	314	6	6	48
49	306	11	9	311	7	10	316	4	3	321	1	2	49
50	313	3	0	318	0	2	322	9	9	327	7	9	50

FEET LONG.	ITS DIAMETER BEING 34 Inches.			34¼ Inches.			34½ Inches.			34¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	7	11	1	8	2	1	8	6	1	8	10	¼
½	3	3	10	3	4	5	3	5	1	3	5	8	½
¾	4	11	10	5	0	8	5	1	7	5	2	6	¾
1	6	7	9	6	8	11	6	10	2	6	11	4	1
2	13	3	7	13	5	11	13	8	4	13	10	8	2
3	19	11	4	20	2	11	20	6	6	20	10	1	3
4	26	7	2	26	11	11	27	4	8	27	9	5	4
5	33	3	0	33	8	11	34	2	10	34	8	9	5
6	39	10	9	40	5	10	41	1	0	41	8	2	6
7	46	6	7	47	2	10	47	11	2	48	7	6	7
8	53	2	5	53	11	10	54	9	4	55	6	11	8
9	59	10	2	60	8	10	61	7	6	62	6	3	9
10	66	6	0	67	5	10	68	5	8	69	5	7	10
11	73	1	10	74	2	9	75	3	10	76	5	0	11
12	79	9	7	80	11	9	82	2	0	83	4	4	12
13	86	5	5	87	8	9	89	0	2	90	3	8	13
14	93	1	3	94	5	9	95	10	4	97	3	1	14
15	99	9	0	101	2	9	102	8	6	104	2	5	15
16	106	4	10	107	11	8	109	6	8	111	1	10	16
17	113	0	8	114	8	8	116	4	10	118	1	2	17
18	119	8	5	121	5	8	123	3	0	125	0	6	18
19	126	4	3	128	2	8	130	1	2	131	11	11	19
20	133	0	1	134	11	8	136	11	4	138	11	3	20
21	139	7	10	141	8	7	143	9	6	145	10	8	21
22	146	3	8	148	5	7	150	7	8	152	10	0	22
23	152	11	6	155	2	7	157	5	10	159	9	4	23
24	159	7	3	161	11	7	164	4	0	166	8	9	24
25	166	3	1	168	8	7	171	2	2	173	8	1	25
26	172	10	11	175	5	6	178	0	5	180	7	5	26
27	179	6	8	182	2	6	184	10	7	187	6	10	27
28	186	2	6	188	11	6	191	8	9	194	6	2	28
29	192	10	4	195	8	6	198	6	11	201	5	7	29
30	199	6	1	202	5	6	205	5	1	208	4	11	30
31	206	1	11	209	2	5	212	3	3	215	4	3	31
32	212	9	9	215	11	5	219	1	5	222	3	8	32
33	219	5	6	222	8	5	225	11	7	229	3	0	33
34	226	1	4	229	5	5	232	9	9	236	2	4	34
35	232	9	2	236	2	5	239	7	11	243	1	9	35
36	239	4	11	242	11	4	246	6	1	250	1	1	36
37	246	0	9	249	8	4	253	4	3	257	0	6	37
38	252	8	7	256	5	4	260	2	5	263	11	10	38
39	259	4	4	263	2	4	267	0	7	270	11	2	39
40	266	0	2	269	11	4	273	10	9	277	10	7	40
41	272	8	0	276	8	3	280	8	11	284	9	11	41
42	279	3	9	283	5	3	287	7	1	291	9	4	42
43	285	11	7	290	2	3	294	5	3	298	8	8	43
44	292	7	5	296	11	3	301	3	5	305	8	0	44
45	299	3	2	303	8	3	308	1	7	312	7	5	45
46	305	11	0	310	5	2	314	11	9	319	6	9	46
47	312	6	10	317	2	2	321	9	11	326	6	1	47
48	319	2	7	323	11	2	328	8	1	333	5	6	48
49	325	10	5	330	8	2	335	6	3	340	4	10	49
50	332	6	3	337	5	2	342	4	5	347	4	3	50

FEET LONG.	ITS DIAMETER BEING 35 Inches.			35¼ Inches.			35½ Inches.			35¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	9	1	1	9	5	1	9	9	1	10	0	¼
½	3	6	3	3	6	10	3	7	6	3	8	1	½
¾	5	3	5	5	4	4	5	5	3	5	6	2	¾
1	7	0	6	7	1	9	7	3	0	7	4	2	1
2	14	1	1	14	3	6	14	6	0	14	8	5	2
3	21	1	8	21	5	4	21	9	0	22	0	8	3
4	28	2	3	28	7	1	29	0	0	29	4	11	4
5	35	2	10	35	8	10	36	3	0	36	9	1	5
6	42	3	4	42	10	8	43	6	0	44	1	4	6
7	49	3	11	50	0	5	50	9	0	51	5	7	7
8	56	4	6	57	2	3	58	0	0	58	9	10	8
9	63	5	1	64	4	0	65	3	0	66	2	1	9
10	70	5	8	71	5	9	72	6	0	73	6	3	10
11	77	6	3	78	7	7	79	9	0	80	10	6	11
12	84	6	9	85	9	4	87	0	0	88	2	9	12
13	91	7	4	92	11	1	94	3	0	95	7	0	13
14	98	7	11	100	0	11	101	6	0	102	11	2	14
15	105	8	6	107	2	8	108	9	0	110	3	5	15
16	112	9	1	114	4	6	116	0	0	117	7	8	16
17	119	9	8	121	6	3	123	3	0	124	11	11	17
18	126	10	2	128	8	0	130	6	0	132	4	2	18
19	133	10	9	135	9	10	137	9	0	139	8	4	19
20	140	11	4	142	11	7	145	0	0	147	0	7	20
21	147	11	11	150	1	4	152	3	0	154	4	10	21
22	155	0	6	157	3	2	159	6	0	161	9	1	22
23	162	1	1	164	4	11	166	9	0	169	1	4	23
24	169	1	7	171	6	9	174	0	0	176	5	6	24
25	176	2	2	178	8	6	181	3	0	183	9	9	25
26	183	2	9	185	10	3	188	6	0	191	2	0	26
27	190	3	4	193	0	1	195	9	0	198	6	3	27
28	197	3	11	200	1	10	203	0	0	205	10	5	28
29	204	4	5	207	3	7	210	3	0	213	2	8	29
30	211	5	0	214	5	5	217	6	0	220	6	11	30
31	218	5	7	221	7	2	224	9	0	227	11	2	31
32	225	6	2	228	9	0	232	0	0	235	3	5	32
33	232	6	9	235	10	9	239	3	0	242	7	7	33
34	239	7	4	243	0	6	246	6	0	249	11	10	34
35	246	7	10	250	2	4	253	9	1	257	4	1	35
36	253	8	5	257	4	1	261	0	1	264	8	4	36
37	260	9	0	264	5	10	268	3	1	272	0	7	37
38	267	9	7	271	7	8	275	6	1	279	4	9	38
39	274	10	2	278	9	5	282	9	1	286	9	0	39
40	281	10	9	285	11	3	290	0	1	294	1	3	40
41	288	11	3	293	1	0	297	3	1	301	5	6	41
42	295	11	10	300	2	9	304	6	1	308	9	8	42
43	303	0	5	307	4	7	311	9	1	316	1	11	43
44	310	1	0	314	6	4	319	0	1	323	6	2	44
45	317	1	7	321	8	1	326	3	1	330	10	5	45
46	324	2	2	328	9	11	333	6	1	338	2	8	46
47	331	2	8	335	11	8	340	9	1	345	6	10	47
48	338	3	3	343	1	6	348	0	1	352	11	1	48
49	345	3	10	350	3	3	355	3	1	360	3	4	49
50	352	4	5	357	5	0	362	6	1	367	7	7	50

FEET LONG.	ITS DIAMETER BEING 36 Inches.			36¼ Inches.			36½ Inches.			36¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	10	4	1	10	8	1	10	11	1	11	3	¼
½	3	8	8	3	9	4	3	9	11	3	10	7	½
¾	5	7	1	5	8	0	5	8	11	5	9	11	¾
1	7	5	5	7	6	8	7	7	11	7	9	2	1
2	14	10	11	15	1	5	15	3	11	15	6	5	2
3	22	4	4	22	8	1	22	11	11	23	3	8	3
4	29	9	10	30	2	10	30	7	10	31	0	11	4
5	37	3	4	37	9	7	38	3	10	38	10	2	5
6	44	8	9	45	4	3	45	11	10	46	7	5	6
7	52	2	3	52	11	0	53	7	9	54	4	7	7
8	59	7	9	60	5	8	61	3	9	62	1	10	8
9	67	1	2	68	0	5	68	11	9	69	11	1	9
10	74	6	8	75	7	2	76	7	8	77	8	4	10
11	82	0	2	83	1	10	84	3	8	85	5	7	11
12	89	5	7	90	8	7	91	11	8	93	2	10	12
13	96	11	1	98	3	3	99	7	7	101	0	1	13
14	104	4	7	105	10	0	107	3	7	108	9	3	14
15	111	10	0	113	4	9	114	11	7	116	6	6	15
16	119	3	6	120	11	5	122	7	6	124	3	9	16
17	126	8	11	128	6	2	130	3	6	132	1	0	17
18	134	2	5	136	0	10	137	11	6	139	10	3	18
19	141	7	11	143	7	7	145	7	5	147	7	6	19
20	149	1	4	151	2	4	153	3	5	155	4	8	20
21	156	6	10	158	9	0	160	11	5	163	1	11	21
22	164	0	4	166	3	9	168	7	4	170	11	2	22
23	171	5	9	173	10	5	176	3	4	178	8	5	23
24	178	11	3	181	5	2	183	11	4	186	5	8	24
25	186	4	9	188	11	11	191	7	3	194	2	11	25
26	193	10	2	196	6	7	199	3	3	202	0	2	26
27	201	3	8	204	1	4	206	11	3	209	9	4	27
28	208	9	2	211	8	1	214	7	2	217	6	7	28
29	216	2	7	219	2	9	222	3	2	225	3	10	29
30	223	8	1	226	9	6	229	11	2	233	1	1	30
31	231	1	7	234	4	2	237	7	1	240	10	4	31
32	238	7	0	241	10	11	245	3	1	248	7	7	32
33	246	0	6	249	5	8	252	11	1	256	4	9	33
34	253	5	11	257	0	4	260	7	0	264	2	0	34
35	260	11	5	264	7	1	268	3	0	271	11	3	35
36	268	4	11	272	1	9	275	11	0	279	8	6	36
37	275	10	4	279	8	6	283	7	0	287	5	9	37
38	283	3	10	287	3	3	291	2	11	295	3	0	38
39	290	9	4	294	9	11	298	10	11	303	0	3	39
40	298	2	9	302	4	8	306	6	11	310	9	5	40
41	305	8	3	309	11	4	314	2	10	318	6	8	41
42	313	1	9	317	6	1	321	10	10	326	3	11	42
43	320	7	2	325	0	10	329	6	10	334	1	2	43
44	328	0	8	332	7	6	337	2	9	341	10	5	44
45	335	6	2	340	2	3	344	10	9	349	7	8	45
46	342	11	7	347	9	0	352	6	9	357	4	10	46
47	350	5	1	355	3	8	360	2	8	365	2	1	47
48	357	10	6	362	10	5	367	10	8	372	11	4	48
49	365	4	0	370	5	1	375	6	8	380	8	7	49
50	372	9	6	377	11	10	383	2	7	388	5	10	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	37 Inches.			37¼ Inches.			37½ Inches.			37¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	1	11	7	1	11	11	2	0	3	2	0	7	¼
½	3	11	3	3	11	10	4	0	6	4	1	2	½
¾	5	10	10	5	11	10	6	0	9	6	1	9	¾
1	7	10	6	7	11	9	8	1	0	8	2	4	1
2	15	9	0	15	11	6	16	2	1	16	4	9	2
3	23	7	6	23	11	4	24	3	2	24	7	1	3
4	31	6	0	31	11	1	32	4	3	32	9	6	4
5	39	4	6	39	10	11	40	5	4	40	11	10	5
6	47	3	0	47	10	8	48	6	5	49	2	3	6
7	55	1	6	55	10	6	56	7	6	57	4	7	7
8	63	0	0	63	10	3	64	8	7	65	7	0	8
9	70	10	7	71	10	1	72	9	8	73	9	5	9
10	78	9	1	79	9	10	80	10	9	81	11	9	10
11	86	7	7	87	9	8	88	11	10	90	2	2	11
12	94	6	1	95	9	5	97	0	11	98	4	6	12
13	102	4	7	103	9	3	105	2	0	106	6	11	13
14	110	3	1	111	9	0	113	3	1	114	9	3	14
15	118	1	7	119	8	10	121	4	2	122	11	8	15
16	126	0	1	127	8	7	129	5	3	131	2	1	16
17	133	10	8	135	8	5	137	6	4	139	4	5	17
18	141	9	2	143	8	2	145	7	5	147	6	10	18
19	149	7	8	151	8	0	153	8	6	155	9	2	19
20	157	6	2	159	7	9	161	9	7	163	11	7	20
21	165	4	8	167	7	7	169	10	8	172	1	11	21
22	173	3	2	175	7	4	177	11	9	180	4	4	22
23	181	1	8	183	7	2	186	0	10	188	6	8	23
24	189	0	2	191	6	11	194	1	11	196	9	1	24
25	196	10	9	199	6	9	202	3	0	204	11	6	25
26	204	9	3	207	6	6	210	4	1	213	1	10	26
27	212	7	9	215	6	4	218	5	2	221	4	3	27
28	220	6	3	223	6	1	226	6	3	229	6	7	28
29	228	4	9	231	5	11	234	7	4	237	9	0	29
30	236	3	3	239	5	8	242	8	5	245	11	4	30
31	244	1	9	247	5	6	250	9	6	254	1	9	31
32	252	0	3	255	5	3	258	10	7	262	4	2	32
33	259	10	9	263	5	1	266	11	8	270	6	6	33
34	267	9	4	271	4	10	275	0	9	278	8	11	34
35	275	7	10	279	4	8	283	1	10	286	11	3	35
36	283	6	4	287	4	5	291	2	11	295	1	8	36
37	291	4	10	295	4	3	299	4	0	303	4	0	37
38	299	3	4	303	4	0	307	5	1	311	6	5	38
39	307	1	10	311	3	10	315	6	2	319	8	10	39
40	315	0	4	319	3	7	323	7	3	327	11	2	40
41	322	10	10	327	3	5	331	8	4	336	1	7	41
42	330	9	5	335	3	2	339	9	5	344	3	11	42
43	338	7	11	343	3	0	347	10	6	352	6	4	43
44	346	6	5	351	2	9	355	11	7	360	8	8	44
45	354	4	11	359	2	7	364	0	8	368	11	1	45
46	362	3	5	367	2	4	372	1	9	377	1	5	46
47	370	1	11	375	2	2	380	2	10	385	3	10	47
48	378	0	5	383	1	11	388	3	11	393	6	3	48
49	385	10	11	391	1	9	396	5	0	401	8	7	49
50	393	9	6	399	1	6	404	6	1	409	11	0	50

FEET LONG.	ITS DIAMETER BEING 38 Inches.			38¼ Inches.			38½ Inches.			38¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	0	11	2	1	3	2	1	6	2	1	10	¼
½	4	1	10	4	2	6	4	3	1	4	3	9	½
¾	6	2	9	6	3	9	6	4	8	6	5	8	¾
1	8	3	8	8	5	0	8	6	3	8	7	7	1
2	16	7	4	16	10	0	17	0	7	17	3	3	2
3	24	11	0	25	3	0	25	6	11	25	10	11	3
4	33	2	9	33	8	0	34	1	3	34	6	7	4
5	41	6	5	42	1	0	42	7	7	43	2	3	5
6	49	10	1	50	6	0	51	1	11	51	9	11	6
7	58	1	9	58	11	0	59	8	3	60	5	7	7
8	66	5	6	67	4	0	68	2	7	69	1	3	8
9	74	9	2	75	9	0	76	8	11	77	8	11	9
10	83	0	10	84	2	0	85	3	3	86	4	7	10
11	91	4	6	92	7	0	93	9	7	95	0	3	11
12	99	8	3	101	0	0	102	3	11	103	7	11	12
13	107	11	11	109	5	0	110	10	3	112	3	7	13
14	116	3	7	117	10	0	119	4	7	120	11	3	14
15	124	7	3	126	3	0	127	10	11	129	6	11	15
16	132	11	0	134	8	0	136	5	3	138	2	7	16
17	141	2	8	143	1	0	144	11	6	146	10	2	17
18	149	6	4	151	6	0	153	5	10	155	5	10	18
19	157	10	0	159	11	0	162	0	2	164	1	6	19
20	166	1	9	168	4	0	170	6	6	172	9	2	20
21	174	5	5	176	9	0	179	0	10	181	4	10	21
22	182	9	1	185	2	0	187	7	2	190	0	6	22
23	191	0	9	193	7	1	196	1	6	198	8	2	23
24	199	4	6	202	0	1	204	7	10	207	3	10	24
25	207	8	2	210	5	1	213	2	2	215	11	6	25
26	215	11	10	218	10	1	221	8	6	224	7	2	26
27	224	3	6	227	3	1	230	2	10	233	2	10	27
28	232	7	3	235	8	1	238	9	2	241	10	6	28
29	240	10	11	244	1	1	247	3	6	250	6	2	29
30	249	2	7	252	6	1	255	9	10	259	1	10	30
31	257	6	3	260	11	1	264	4	2	267	9	6	31
32	265	10	0	269	4	1	272	10	6	276	5	2	32
33	274	1	8	277	9	1	281	4	10	285	0	9	33
34	282	5	4	286	2	1	289	11	1	293	8	5	34
35	290	9	0	294	7	1	298	5	5	302	4	1	35
36	299	0	9	303	0	1	306	11	9	310	11	9	36
37	307	4	5	311	5	1	315	6	1	319	7	5	37
38	315	8	1	319	10	1	324	0	5	328	3	1	38
39	323	11	9	328	3	1	332	6	9	336	10	9	39
40	332	3	6	336	8	1	341	1	1	345	6	5	40
41	340	7	2	345	1	1	349	7	5	354	2	1	41
42	348	10	10	353	6	1	358	1	9	362	9	9	42
43	357	2	6	361	11	1	366	8	1	371	5	5	43
44	365	6	3	370	4	1	375	2	5	380	1	1	44
45	373	9	11	378	9	2	383	8	9	388	8	9	45
46	382	1	7	387	2	2	392	3	1	397	4	5	46
47	390	5	3	395	7	2	400	9	5	406	0	1	47
48	398	9	0	404	0	2	409	3	9	414	7	9	48
49	407	0	8	412	5	2	417	10	1	423	3	5	49
50	415	4	4	420	10	2	426	4	5	431	11	0	50

FEET LONG.	ITS DIAMETER BEING 39 Inches.			39¼ Inches.			39½ Inches.			39¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	2	3	2	2	7	2	2	11	2	3	3	¼
½	4	4	6	4	5	2	4	5	10	4	6	6	½
¾	6	6	9	6	7	9	6	8	9	6	9	9	¾
1	8	9	0	8	10	4	8	11	8	9	1	0	1
2	17	6	0	17	8	8	17	11	5	18	2	1	2
3	26	3	0	26	7	0	26	11	1	27	3	2	3
4	35	0	0	35	5	4	35	10	10	36	4	3	4
5	43	9	0	44	3	9	44	10	6	45	5	4	5
6	52	6	0	53	2	1	53	10	3	54	6	5	6
7	61	3	0	62	0	5	62	9	11	63	7	6	7
8	70	0	0	70	10	9	71	9	8	72	8	7	8
9	78	9	0	79	9	2	80	9	5	81	9	8	9
10	87	6	0	88	7	6	89	9	1	90	10	9	10
11	96	3	0	97	5	10	98	8	10	99	11	10	11
12	105	0	0	106	4	2	107	8	6	109	0	11	12
13	113	9	0	115	2	7	116	8	3	118	2	0	13
14	122	6	0	124	0	11	125	7	11	127	3	1	14
15	131	3	0	132	11	3	134	7	8	136	4	2	15
16	140	0	0	141	9	7	143	7	4	145	5	3	16
17	148	9	0	150	8	0	152	7	1	154	6	4	17
18	157	6	0	159	6	4	161	6	10	163	7	5	18
19	166	3	0	168	4	8	170	6	6	172	8	6	19
20	175	0	0	177	3	0	179	6	3	181	9	7	20
21	183	9	0	186	1	5	188	5	11	190	10	8	21
22	192	6	0	194	11	9	197	5	8	199	11	9	22
23	201	3	0	203	10	1	206	5	4	209	0	10	23
24	210	0	1	212	8	5	215	5	1	218	1	11	24
25	218	9	1	221	6	10	224	4	9	227	3	0	25
26	227	6	1	230	5	2	233	4	6	236	4	1	26
27	236	3	1	239	3	6	242	4	3	245	5	2	27
28	245	0	1	248	1	10	251	3	11	254	6	3	28
29	253	9	1	257	0	3	260	3	8	263	7	4	29
30	262	6	1	265	10	7	269	3	4	272	8	5	30
31	271	3	1	274	8	11	278	3	1	281	9	6	31
32	280	0	1	283	7	3	287	2	9	290	10	7	32
33	288	9	1	292	5	8	296	2	6	299	11	8	33
34	297	6	1	301	4	0	305	2	2	309	0	9	34
35	306	3	1	310	2	4	314	1	11	318	1	9	35
36	315	0	1	319	0	8	323	1	8	327	2	10	36
37	323	9	1	327	11	1	332	1	4	336	3	11	37
38	332	6	1	336	9	5	341	1	1	345	5	0	38
39	341	3	1	345	7	9	350	0	9	354	6	1	39
40	350	0	1	354	6	1	359	0	6	363	7	2	40
41	358	9	1	363	4	6	368	0	2	372	8	3	41
42	367	6	1	372	2	10	376	11	11	381	9	4	42
43	376	3	1	381	1	2	385	11	7	390	10	5	43
44	385	0	1	389	11	6	394	11	4	399	11	6	44
45	393	9	1	398	9	11	403	11	1	409	0	7	45
46	402	6	1	407	8	3	412	10	9	418	1	8	46
47	411	3	1	416	6	7	421	10	6	427	2	9	47
48	420	0	2	425	4	11	430	10	2	436	3	10	48
49	428	9	2	434	3	4	439	9	11	445	4	11	49
50	437	6	2	443	1	8	448	9	7	454	6	0	50

FEET LONG.	ITS DIAMETER BEING 40 Inches.			40¼ Inches.			40½ Inches.			40¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	3	7	2	3	11	2	4	3	2	4	7	¼
½	4	7	2	4	7	11	4	8	7	4	9	3	½
¾	6	10	10	6	11	10	7	0	11	7	1	11	¾
1	9	2	5	9	3	10	9	5	2	9	6	7	1
2	18	4	10	18	7	8	18	10	5	19	1	3	2
3	27	7	4	27	11	6	28	3	8	28	7	10	3
4	36	9	9	37	3	4	37	8	11	38	2	6	4
5	46	0	3	46	7	2	47	2	2	47	9	2	5
6	55	2	8	55	11	0	56	7	4	57	3	9	6
7	64	5	2	65	2	10	66	0	7	66	10	5	7
8	73	7	7	74	6	8	75	5	10	76	5	1	8
9	82	10	1	83	10	6	84	11	1	85	11	8	9
10	92	0	6	93	2	5	94	4	4	95	6	4	10
11	101	3	0	102	6	3	103	9	7	105	1	0	11
12	110	5	5	111	10	1	113	2	9	114	7	7	12
13	119	7	11	121	1	11	122	8	0	124	2	3	13
14	128	10	4	130	5	9	132	1	3	133	8	11	14
15	138	0	10	139	9	7	141	6	6	143	3	6	15
16	147	3	3	149	1	5	150	11	9	152	10	2	16
17	156	5	9	158	5	3	160	5	0	162	4	10	17
18	165	8	2	167	9	1	169	10	2	171	11	5	18
19	174	10	8	177	1	0	179	3	5	181	6	1	19
20	184	1	1	186	4	10	188	8	8	191	0	9	20
21	193	3	7	195	8	8	198	1	11	200	7	4	21
22	202	6	0	205	0	6	207	7	2	210	2	0	22
23	211	8	6	214	4	4	217	0	5	219	8	8	23
24	220	10	11	223	8	2	226	5	7	229	3	3	24
25	230	1	5	233	0	0	235	10	10	238	9	11	25
26	239	3	10	242	3	10	245	4	1	248	4	7	26
27	248	6	4	251	7	8	254	9	4	257	11	2	27
28	257	8	9	260	11	7	264	2	7	267	5	10	28
29	266	11	3	270	3	5	273	7	10	277	0	6	29
30	276	1	8	279	7	3	283	1	0	286	7	1	30
31	285	4	2	288	11	1	292	6	3	296	1	9	31
32	294	6	7	298	2	11	301	11	6	305	8	5	32
33	303	9	1	307	6	9	311	4	9	315	3	0	33
34	312	11	6	316	10	7	320	10	0	324	9	8	34
35	322	2	0	326	2	5	330	3	3	334	4	4	35
36	331	4	5	335	6	3	339	8	5	343	10	11	36
37	340	6	11	344	10	2	349	1	8	353	5	7	37
38	349	9	4	354	2	0	358	6	11	363	0	3	38
39	358	11	10	363	5	10	368	0	2	372	6	10	39
40	368	2	3	372	9	8	377	5	5	382	1	6	40
41	377	4	9	382	1	6	386	10	8	391	8	2	41
42	386	7	2	391	5	4	396	3	10	401	2	9	42
43	395	9	7	400	9	2	405	9	1	410	9	5	43
44	405	0	1	410	1	0	415	2	4	420	4	1	44
45	414	2	6	419	4	10	424	7	7	429	10	8	45
46	423	5	0	428	8	8	434	0	10	439	5	4	46
47	432	7	5	438	0	7	443	6	1	449	0	0	47
48	441	9	11	447	4	5	452	11	3	458	6	7	48
49	451	0	4	456	8	3	462	4	6	468	1	3	49
50	460	2	10	466	0	1	471	9	9	477	7	10	50

FEET LONG.	ITS DIAMETER BEING 41 Inches.			41¼ Inches.			41½ Inches.			41¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	5	0	2	5	4	2	5	8	2	6	1	¼
½	4	10	0	4	10	8	4	11	5	5	0	2	½
¾	7	3	0	7	4	1	7	5	2	7	6	3	¾
1	9	8	0	9	9	5	9	10	10	10	0	4	1
2	19	4	1	19	6	11	19	9	9	20	0	8	2
3	29	0	1	29	4	4	29	8	8	30	1	0	3
4	38	8	2	39	1	10	39	7	7	40	1	4	4
5	48	4	2	48	11	4	49	6	5	50	1	8	5
6	58	0	3	58	8	9	59	5	4	60	2	0	6
7	67	8	4	68	6	3	69	4	3	70	2	4	7
8	77	4	4	78	3	9	79	3	2	80	2	8	8
9	87	0	5	88	1	2	89	2	0	90	3	0	9
10	96	8	5	97	10	8	99	0	11	100	3	4	10
11	106	4	6	107	8	1	108	11	10	110	3	8	11
12	116	0	7	117	5	7	118	10	9	120	4	0	12
13	125	8	7	127	3	1	128	9	7	130	4	4	13
14	135	4	8	137	0	6	138	8	6	140	4	8	14
15	145	0	8	146	10	0	148	7	5	150	5	0	15
16	154	8	9	156	7	6	158	6	4	160	5	4	16
17	164	4	10	166	4	11	168	5	2	170	5	8	17
18	174	0	10	176	2	5	178	4	1	180	6	0	18
19	183	8	11	185	11	10	188	3	0	190	6	4	19
20	193	4	11	195	9	4	198	1	11	200	6	8	20
21	203	1	0	205	6	10	208	0	10	210	7	0	21
22	212	9	0	215	4	3	217	11	8	220	7	4	22
23	222	5	1	225	1	9	227	10	7	230	7	8	23
24	232	1	2	234	11	3	237	9	6	240	8	0	24
25	241	9	2	244	8	8	247	8	5	250	8	4	25
26	251	5	3	254	6	2	257	7	3	260	8	8	26
27	261	1	3	264	3	7	267	6	2	270	9	0	27
28	270	9	4	274	1	1	277	5	1	280	9	4	28
29	280	5	5	283	10	7	287	4	0	290	9	8	29
30	290	1	5	293	8	0	297	2	10	300	10	0	30
31	299	9	6	303	5	6	307	1	9	310	10	4	31
32	309	5	6	313	3	0	317	0	8	320	10	8	32
33	319	1	7	323	0	5	326	11	7	330	11	0	33
34	328	9	8	332	9	11	336	10	5	340	11	4	34
35	338	5	8	342	7	4	346	9	4	350	11	8	35
36	348	1	9	352	4	10	356	8	3	361	0	0	36
37	357	9	9	362	2	4	366	7	2	371	0	4	37
38	367		10	371	11	9	376	6	1	381	0	8	38
39	377	1	11	381	9	3	386	4	11	391	1	0	39
40	386	9	11	391	6	9	396	3	10	401	1	4	40
41	396	6	0	401	4	2	406	2	9	411	1	8	41
42	406	2	0	411	1	8	416	1	8	421	2	0	42
43	415	10	1	420	11	1	426	0	6	431	2	4	43
44	425	6	1	430	8	7	435	11	5	441	2	8	44
45	435	2	2	440	6	1	445	10	4	451	3	0	45
46	444	10	3	450	3	6	455	9	3	461	3	4	46
47	454	6	3	460	1	0	465	8	1	471	3	8	47
48	464	2	4	469	10	6	475	7	0	481	4	0	48
49	473	10	4	479	7	11	485	5	11	491	4	4	49
50	483	6	5	489	5	5	495	4	10	501	4	8	50

FEET LONG.	ITS DIAMETER BEING 42 Inches.			42¼ Inches.			42½ Inches.			42¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	6	5	2	6	9	2	7	2	2	7	6	¼
½	5	0	10	5	1	7	5	2	4	5	3	1	½
¾	7	7	4	7	8	5	7	9	6	7	10	7	¾
1	10	1	9	10	3	2	10	4	8	10	6	2	1
2	20	3	6	20	6	5	20	9	4	21	0	4	2
3	30	5	4	30	9	8	31	2	1	31	6	6	3
4	40	7	1	41	0	11	41	6	9	42	0	8	4
5	50	8	10	51	4	1	51	11	5	52	6	10	5
6	60	10	8	61	7	4	62	4	2	63	1	0	6
7	71	0	5	71	10	7	72	8	10	73	7	2	7
8	81	2	2	82	1	10	83	1	6	84	1	4	8
9	91	4	0	92	5	1	93	6	3	94	7	6	9
10	101	5	9	102	8	3	103	10	11	105	1	8	10
11	111	7	6	112	11	6	114	3	7	115	7	10	11
12	121	9	4	123	2	9	124	8	4	126	2	0	12
13	131	11	1	133	6	0	135	1	0	136	8	2	13
14	142	0	10	143	9	3	145	5	8	147	2	4	14
15	152	2	8	154	0	5	155	10	5	157	8	6	15
16	162	4	5	164	3	8	166	3	1	168	2	8	16
17	172	6	2	174	6	11	176	7	9	178	8	10	17
18	182	8	0	184	10	2	187	0	6	189	3	0	18
19	192	9	9	195	1	5	197	5	2	199	9	2	19
20	202	11	7	205	4	7	207	9	11	210	3	4	20
21	213	1	4	215	7	10	218	2	7	220	9	6	21
22	223	3	1	225	11	1	228	7	3	231	3	8	22
23	233	4	11	236	2	4	239	0	0	241	9	10	23
24	243	6	8	246	5	7	249	4	8	252	4	0	24
25	253	8	5	256	8	9	259	9	4	262	10	2	25
26	263	10	3	267	0	0	270	2	1	273	4	4	26
27	274	0	0	277	3	3	280	6	9	283	10	6	27
28	284	1	9	287	6	6	290	11	5	294	4	8	28
29	294	3	7	297	9	9	301	4	2	304	10	10	29
30	304	5	4	308	0	11	311	8	10	315	5	0	30
31	314	7	1	318	4	2	322	1	6	325	11	2	31
32	324	8	11	328	7	5	332	6	3	336	5	4	32
33	334	10	8	338	10	8	342	10	11	346	11	6	33
34	345	0	5	349	1	11	353	3	7	357	5	8	34
35	355	2	3	359	5	1	363	8	4	367	11	10	35
36	365	4	0	369	8	4	374	1	0	378	6	0	36
37	375	5	9	379	11	7	384	5	9	389	0	2	37
38	385	7	7	390	2	10	394	10	5	399	6	4	38
39	395	9	4	400	6	1	405	3	1	410	0	6	39
40	405	11	2	410	9	3	415	7	10	420	6	8	40
41	416	0	11	421	0	6	426	0	6	431	0	10	41
42	426	2	8	431	3	9	436	5	2	441	7	0	42
43	436	4	6	441	7	0	446	9	11	452	1	2	43
44	446	6	3	451	10	3	457	2	7	462	7	4	44
45	456	8	0	462	1	5	467	7	3	473	1	6	45
46	466	9	10	472	4	8	478	0	0	483	7	8	46
47	476	11	7	482	7	11	488	4	8	494	1	10	47
48	487	1	4	492	11	2	498	9	4	504	8	0	48
49	497	3	2	503	2	5	509	2	1	515	2	2	49
50	507	4	11	513	5	7	519	6	9	525	8	4	50

FEET LONG.	ITS DIAMETER BEING 43 Inches.			43¼ Inches.			43½ Inches.			43¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	7	10	2	8	3	2	8	7	2	9	0	¼
½	5	3	9	5	4	6	5	5	3	5	6	0	½
¾	7	11	8	8	0	10	8	1	11	8	3	1	¾
1	10	7	7	10	9	1	10	10	7	11	0	1	1
2	21	3	3	21	6	3	21	9	3	22	0	3	2
3	31	10	11	32	3	4	32	7	10	33	0	4	3
4	42	6	7	43	0	6	43	6	6	44	0	6	4
5	53	2	2	53	9	8	54	5	1	55	0	8	5
6	63	9	10	64	6	9	65	3	9	66	0	9	6
7	74	5	6	75	3	11	76	2	5	77	0	11	7
8	85	1	2	86	1	1	87	1	0	88	1	1	8
9	95	8	9	96	10	2	97	11	8	99	1	2	9
10	106	4	5	107	7	4	108	10	3	110	1	4	10
11	117	0	1	118	4	5	119	8	11	121	1	6	11
12	127	7	9	129	1	7	130	7	7	132	1	7	12
13	138	3	4	139	10	9	141	6	2	143	1	9	13
14	148	11	0	150	7	10	152	4	10	154	1	11	14
15	159	6	8	161	5	0	163	3	5	165	2	1	15
16	170	2	4	172	2	2	174	2	1	176	2	2	16
17	180	10	0	182	11	3	185	0	9	187	2	4	17
18	191	5	7	193	8	5	195	11	4	198	2	5	18
19	202	1	3	204	5	6	206	10	0	209	2	7	19
20	212	8	11	215	2	8	217	8	7	220	2	9	20
21	223	4	7	225	11	10	228	7	3	231	2	11	21
22	234	0	2	236	8	11	239	5	11	242	3	0	22
23	244	7	10	247	6	1	250	4	6	253	3	2	23
24	255	3	6	258	3	3	261	3	2	264	3	3	24
25	265	11	2	269	0	4	272	1	9	275	3	5	25
26	276	6	9	279	9	6	283	0	5	286	3	7	26
27	287	2	5	290	6	8	293	11	1	297	3	9	27
28	297	10	1	301	3	9	304	9	8	308	3	10	28
29	308	5	9	312	0	11	315	8	4	319	4	0	29
30	319	1	5	322	10	0	326	6	11	330	4	2	30
31	329	9	0	333	7	2	337	5	7	341	4	3	31
32	340	4	8	344	4	4	348	4	3	352	4	5	32
33	351	0	4	355	1	5	359	2	10	363	4	7	33
34	361	8	0	365	10	7	370	1	6	374	4	8	34
35	372	3	7	376	7	9	381	0	1	385	4	10	35
36	382	11	3	387	4	10	391	10	9	396	5	0	36
37	393	6	11	398	2	0	402	9	5	407	5	1	37
38	404	2	7	408	11	1	413	8	0	418	5	3	38
39	414	10	2	419	8	3	424	6	8	429	5	5	39
40	425	5	10	430	5	5	435	5	3	440	5	6	40
41	436	1	6	441	2	6	446	3	11	451	5	8	41
42	446	9	2	451	11	8	457	2	7	462	5	10	42
43	457	4	9	462	8	10	468	1	2	473	5	11	43
44	468	0	5	473	5	11	478	11	10	484	6	1	44
45	478	8	1	484	3	1	489	10	5	495	6	3	45
46	489	3	9	495	0	2	500	9	1	506	6	4	46
47	499	11	5	505	9	4	511	7	9	517	6	6	47
48	510	7	0	516	6	6	522	6	4	528	6	8	48
49	521	2	8	527	3	7	533	5	0	539	6	9	49
50	531	10	4	538	0	9	544	3	7	550	6	11	50

FEET LONG.	ITS DIAMETER BEING 44 Inches.			44¼ Inches.			44½ Inches.			44¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	9	4	2	9	9	2	10	2	2	10	6	¼
½	5	6	9	5	7	7	5	8	4	5	9	1	½
¾	8	4	2	8	5	4	8	6	6	8	7	8	¾
1	11	1	7	11	3	2	11	4	8	11	6	2	1
2	22	3	3	22	6	4	22	9	4	23	0	5	2
3	33	4	11	33	9	6	34	2	1	34	6	8	3
4	44	6	7	45	0	8	45	6	9	46	0	11	4
5	55	8	3	56	3	10	56	11	6	57	7	2	5
6	66	9	11	67	7	0	68	4	2	69	1	5	6
7	77	11	6	78	10	2	79	8	11	80	7	8	7
8	89	1	2	90	1	4	91	1	7	92	1	11	8
9	100	2	10	101	4	7	102	6	4	103	8	2	9
10	111	4	6	112	7	9	113	11	0	115	2	5	10
11	122	6	2	123	10	11	125	3	9	126	8	8	11
12	133	7	10	135	2	1	136	8	5	138	2	11	12
13	144	9	5	146	5	3	148	1	2	149	9	2	13
14	155	11	1	157	8	5	159	5	10	161	3	5	14
15	167	0	9	168	11	7	170	10	7	172	9	8	15
16	178	2	5	180	2	9	182	3	3	184	3	11	16
17	189	4	1	191	5	11	193	8	0	195	10	2	17
18	200	5	9	202	9	2	205	0	8	207	4	5	18
19	211	7	4	214	0	4	216	5	5	218	10	8	19
20	222	9	0	225	3	6	227	10	1	230	4	11	20
21	233	10	8	236	6	8	239	2	10	241	11	2	21
22	245	0	4	247	9	10	250	7	6	253	5	5	22
23	256	2	0	259	1	0	262	0	3	264	11	8	23
24	267	3	8	270	4	2	273	4	11	276	5	11	24
25	278	5	4	281	7	4	284	9	8	288	0	2	25
26	289	6	11	292	10	7	296	2	4	299	6	5	26
27	300	8	7	304	1	9	307	7	1	311	0	8	27
28	311	10	3	315	4	11	318	11	9	322	6	11	28
29	322	11	11	326	8	1	330	4	6	334	1	2	29
30	334	1	7	337	11	3	341	9	2	345	7	5	30
31	345	3	3	349	2	5	353	1	11	357	1	8	31
32	356	4	10	360	5	7	364	6	7	368	7	11	32
33	367	6	6	371	8	9	375	11	4	380	2	2	33
34	378	8	2	382	11	11	387	4	0	391	8	5	34
35	389	9	10	394	3	2	398	8	9	403	2	8	35
36	400	11	6	405	6	4	410	1	5	414	8	11	36
37	412	1	2	416	9	6	421	6	2	426	3	2	37
38	423	2	9	428	0	8	432	10	10	437	9	5	38
39	434	4	5	439	3	10	444	3	7	449	3	8	39
40	445	6	1	450	7	0	455	8	3	460	9	11	40
41	456	7	9	461	10	2	467	1	0	472	4	2	41
42	467	9	5	473	1	4	478	5	8	483	10	5	42
43	478	11	1	484	4	7	489	10	5	495	4	8	43
44	490	0	8	495	7	9	501	3	1	506	10	11	44
45	501	2	4	506	10	11	512	7	10	518	5	2	45
46	512	4	0	518	2	1	524	0	6	529	11	5	46
47	523	5	8	529	5	3	535	5	3	541	5	8	47
48	534	7	4	540	8	5	546	9	11	552	11	11	48
49	545	9	0	551	11	7	558	2	8	564	6	2	49
50	556	10	8	563	2	9	569	7	4	576	0	5	50

FEET LONG.	ITS DIAMETER BEING 45 Inches.			45¼ Inches.			45½ Inches.			45¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	2	10	11	2	11	4	2	11	8	3	0	1	¼
½	5	9	10	5	10	8	5	11	5	6	0	2	½
¾	8	8	10	8	10	0	8	11	2	9	0	4	¾
1	11	7	9	11	9	4	11	10	11	12	0	5	1
2	23	3	7	23	6	8	23	9	10	24	0	11	2
3	34	11	4	35	4	0	35	8	9	36	1	5	3
4	46	7	2	47	1	5	47	7	8	48	1	11	4
5	58	2	11	58	10	9	59	6	7	60	2	5	5
6	69	10	9	70	8	1	71	5	6	72	2	11	6
7	81	6	6	82	5	5	83	4	5	84	3	5	7
8	93	2	4	94	2	10	95	3	4	96	3	11	8
9	104	10	2	106	0	2	107	2	3	108	4	5	9
10	116	5	11	117	9	6	119	1	2	120	4	11	10
11	128	1	9	129	6	10	131	0	1	132	5	5	11
12	139	9	6	141	4	3	142	11	0	144	5	11	12
13	151	5	4	153	1	7	154	9	11	156	6	5	13
14	163	1	1	164	10	11	166	8	10	168	6	11	14
15	174	8	11	176	8	3	178	7	9	180	7	5	15
16	186	4	9	188	5	8	190	6	8	192	7	11	16
17	198	0	6	200	3	0	202	5	7	204	8	5	17
18	209	8	4	212	0	4	214	4	7	216	8	11	18
19	221	4	1	223	9	8	226	3	6	228	9	5	19
20	232	11	11	235	7	1	238	2	5	240	9	11	20
21	244	7	8	247	4	5	250	1	4	252	10	5	21
22	256	3	6	259	1	9	262	0	3	264	10	11	22
23	267	11	4	270	11	2	273	11	2	276	11	4	23
24	279	7	1	282	8	6	285	10	1	288	11	10	24
25	291	2	11	294	5	10	297	9	0	301	0	4	25
26	302	10	8	306	3	2	309	7	11	313	0	10	26
27	314	6	6	318	0	7	321	6	10	325	1	4	27
28	326	2	3	329	9	11	333	5	9	337	1	10	28
29	337	10	1	341	7	3	345	4	8	349	2	4	29
30	349	5	11	353	4	7	357	3	7	361	2	10	30
31	361	1	8	365	2	0	369	2	6	373	3	4	31
32	372	9	6	376	11	4	381	1	5	385	3	10	32
33	384	5	3	388	8	8	393	0	4	397	4	4	33
34	396	1	1	400	6	0	404	11	3	409	4	10	34
35	407	8	10	412	3	5	416	10	3	421	5	4	35
36	419	4	8	424	0	9	428	9	2	433	5	10	36
37	431	0	6	435	10	1	440	8	1	445	6	4	37
38	442	8	3	447	7	5	452	7	0	457	6	10	38
39	454	4	1	459	4	10	464	5	11	469	7	4	39
40	465	11	10	471	2	2	476	4	10	481	7	10	40
41	477	7	8	482	11	6	488	3	9	493	8	4	41
42	489	3	5	494	8	11	500	2	8	505	8	10	42
43	500	11	3	506	6	3	512	1	7	517	9	4	43
44	512	7	1	518	3	7	524	0	6	529	9	10	44
45	524	2	10	530	0	11	535	11	5	541	10	4	45
46	535	10	8	541	10	4	547	10	4	553	10	9	46
47	547	6	5	553	7	8	559	9	3	565	11	3	47
48	559	2	3	565	5	0	571	8	2	577	11	9	48
49	570	10	0	577	2	4	583	7	1	590	0	3	49
50	582	5	10	588	11	9	595	6	0	602	0	9	50

FEET LONG.	ITS DIAMETER BEING 46 Inches.			46¼ Inches.			46½ Inches.			46¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	3	0	6	3	0	11	3	1	3	3	1	8	¼
½	6	1	0	6	1	10	6	2	7	6	3	5	½
¾	9	1	6	9	2	9	9	3	11	9	5	1	¾
1	12	2	0	12	3	8	12	5	3	12	6	10	1
2	24	4	1	24	7	4	24	10	6	25	1	9	2
3	36	6	2	36	11	0	37	3	9	37	8	7	3
4	48	8	3	49	2	8	49	9	1	50	3	6	4
5	60	10	4	61	6	4	62	2	4	62	10	4	5
6	73	0	5	73	10	0	74	7	7	75	5	3	6
7	85	2	6	86	1	8	87	0	10	88	0	2	7
8	97	4	7	98	5	4	99	6	2	100	7	0	8
9	109	6	8	110	9	0	111	11	5	113	1	11	9
10	121	8	9	123	0	8	124	4	8	125	8	9	10
11	133	10	10	135	4	4	136	9	11	138	3	8	11
12	146	0	11	147	8	0	149	3	3	150	10	7	12
13	158	3	0	159	11	8	161	8	6	163	5	5	13
14	170	5	1	172	3	4	174	1	9	176	0	4	14
15	182	7	2	184	7	0	186	7	1	188	7	2	15
16	194	9	3	196	10	9	199	0	4	201	2	1	16
17	206	11	4	209	2	5	211	5	7	213	8	11	17
18	219	1	5	221	6	1	223	10	10	226	3	10	18
19	231	3	6	233	9	9	236	4	2	238	10	9	19
20	243	5	7	246	1	5	248	9	5	251	5	7	20
21	255	7	8	258	5	1	261	2	8	264	0	6	21
22	267	9	9	270	8	9	273	7	11	276	7	4	22
23	279	11	10	283	0	5	286	1	3	289	2	3	23
24	292	1	10	295	4	1	298	6	6	301	9	2	24
25	304	3	11	307	7	9	310	11	9	314	4	0	25
26	316	6	0	319	11	5	323	5	1	326	10	11	26
27	328	8	1	332	3	1	335	10	4	339	5	9	27
28	340	10	2	344	6	9	348	3	7	352	0	8	28
29	353	0	3	356	10	5	360	8	10	364	7	6	29
30	365	2	4	369	2	1	373	2	2	377	2	5	30
31	377	4	5	381	5	9	385	7	5	389	9	4	31
32	389	6	6	393	9	6	398	0	8	402	4	2	32
33	401	8	7	406	1	2	410	5	11	414	11	1	33
34	413	10	8	418	4	10	422	11	3	427	5	11	34
35	426	0	9	430	8	6	435	4	6	440	0	10	35
36	438	2	10	443	0	2	447	9	9	452	7	9	36
37	450	4	11	455	3	10	460	3	1	465	2	7	37
38	462	7	0	467	7	6	472	8	4	477	9	6	38
39	474	9	1	479	11	2	485	1	7	490	4	4	39
40	486	11	2	492	2	10	497	6	10	502	11	3	40
41	499	1	3	504	6	6	510	0	2	515	6	2	41
42	511	3	4	516	10	2	522	5	5	528	1	0	42
43	523	5	5	529	1	10	534	10	8	540	7	11	43
44	535	7	6	541	5	6	547	3	11	553	2	9	44
45	547	9	7	553	9	2	559	9	3	565	9	8	45
46	559	11	8	566	0	10	572	2	6	578	4	6	46
47	572	1	9	578	4	6	584	7	9	590	11	5	47
48	584	3	9	590	8	3	597	1	1	603	6	4	48
49	596	5	10	602	11	11	609	6	4	616	1	2	49
50	608	7	11	615	3	7	621	11	7	628	8	1	50

FEET LONG.	ITS DIAMETER BEING 47 Inches.			47¼ Inches.			47½ Inches.			47¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	3	2	1	3	2	6	3	2	11	3	3	4	¼
½	6	4	3	6	5	0	6	5	10	6	6	8	½
¾	9	6	4	9	7	7	9	8	9	9	10	0	¾
1	12	8	6	12	10	1	12	11	9	13	1	4	1
2	25	5	0	25	8	3	25	11	6	26	2	9	2
3	38	1	6	38	6	4	38	11	3	39	4	2	3
4	50	10	0	51	4	6	51	11	0	52	5	7	4
5	63	6	6	64	2	7	64	10	9	65	7	0	5
6	76	3	0	77	0	9	77	10	6	78	8	5	6
7	88	11	6	89	10	10	90	10	4	91	9	10	7
8	101	8	0	102	9	0	103	10	1	104	11	2	8
9	114	4	6	115	7	1	116	9	10	118	0	7	9
10	127	1	0	128	5	3	129	9	7	131	2	0	10
11	139	9	6	141	3	4	142	9	4	144	3	5	11
12	152	6	0	154	1	6	155	9	1	157	4	10	12
13	165	2	6	166	11	7	168	8	10	170	6	3	13
14	177	11	0	179	9	9	181	8	8	183	7	8	14
15	190	7	6	192	7	10	194	8	5	196	9	1	15
16	203	4	0	205	6	0	207	8	2	209	10	5	16
17	216	0	6	218	4	1	220	7	11	222	11	10	17
18	228	9	0	231	2	3	233	7	8	236	1	3	18
19	241	5	6	244	0	4	246	7	5	249	2	8	19
20	254	2	0	256	10	6	259	7	2	262	4	1	20
21	266	10	6	269	8	7	272	7	0	275	5	6	21
22	279	7	0	282	6	9	285	6	9	288	6	11	22
23	292	3	6	295	4	10	298	6	6	301	8	4	23
24	305	0	0	308	3	0	311	6	3	314	9	8	24
25	317	8	6	321	1	2	324	6	0	327	11	1	25
26	330	5	0	333	11	3	337	5	9	341	0	6	26
27	343	1	6	346	9	5	350	5	6	354	1	11	27
28	355	10	0	359	7	6	363	5	4	367	3	4	28
29	368	6	6	372	5	8	376	5	1	380	4	9	29
30	381	3	0	385	3	9	389	4	10	393	6	2	30
31	393	11	6	398	1	11	402	4	7	406	7	7	31
32	406	8	0	411	0	0	415	4	4	419	8	11	32
33	419	4	6	423	10	2	428	4	1	432	10	4	33
34	432	1	0	436	8	3	441	3	10	445	11	9	34
35	444	9	6	449	6	5	454	3	8	459	1	2	35
36	457	6	0	462	4	6	467	3	5	472	2	7	36
37	470	2	6	475	2	8	480	3	2	485	4	0	37
38	482	11	0	488	0	9	493	2	11	498	5	5	38
39	495	7	6	500	10	11	506	2	8	511	6	10	39
40	508	4	0	513	9	0	519	2	5	524	8	2	40
41	521	0	6	526	7	2	532	2	2	537	9	7	41
42	533	9	0	539	5	3	545	2	0	550	11	0	42
43	546	5	6	552	3	5	558	1	9	564	0	5	43
44	559	2	0	565	1	6	571	1	6	577	1	10	44
45	571	10	6	577	11	8	584	1	3	590	3	3	45
46	584	7	0	590	9	9	597	1	0	603	4	8	46
47	597	3	6	603	7	11	610	0	9	616	6	0	47
48	610	0	0	616	6	1	623	0	6	629	7	5	48
49	622	8	6	629	4	2	636	0	4	642	8	10	49
50	635	5	0	642	2	4	649	0	1	655	10	3	50

FEET LONG.	ITS DIAMETER BEING 48 Inches.			48¼ Inches.			48½ Inches.			48¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	3	3	9	3	4	2	3	4	7	3	5	0	¼
½	6	7	6	6	8	4	6	9	2	6	10	0	½
¾	9	11	3	10	0	6	10	1	9	10	3	0	¾
1	13	3	0	13	4	8	13	6	4	13	8	0	1
2	26	6	1	26	9	5	27	0	9	27	4	1	2
3	39	9	2	40	2	1	40	7	2	41	0	2	3
4	53	0	2	53	6	10	54	1	6	54	8	3	4
5	66	3	3	66	11	7	67	7	11	68	4	4	5
6	79	6	4	80	4	3	81	2	4	82	0	4	6
7	92	9	4	93	9	0	94	8	8	95	8	5	7
8	106	0	5	107	1	9	108	3	1	109	4	6	8
9	119	3	6	120	6	5	121	9	6	123	0	7	9
10	132	6	7	133	11	2	135	3	10	136	8	8	10
11	145	9	7	147	3	11	148	10	3	150	4	8	11
12	159	0	8	160	8	7	162	4	8	164	0	9	12
13	172	3	9	174	1	4	175	11	0	177	8	10	13
14	185	6	9	187	6	0	189	5	5	191	4	11	14
15	198	9	10	200	10	9	202	11	10	205	1	0	15
16	212	0	11	214	3	6	216	6	2	218	9	1	16
17	225	3	11	227	8	2	230	0	7	232	5	1	17
18	238	7	0	241	0	11	243	7	0	246	1	2	18
19	251	10	1	254	5	8	257	1	4	259	9	3	19
20	265	1	2	267	10	4	270	7	9	273	5	4	20
21	278	4	2	281	3	1	284	2	2	287	1	5	21
22	291	7	3	294	7	10	297	8	6	300	9	5	22
23	304	10	4	308	0	6	311	2	11	314	5	6	23
24	318	1	4	321	5	3	324	9	4	328	1	7	24
25	331	4	5	334	9	11	338	3	8	341	9	8	25
26	344	7	6	348	2	8	351	10	1	355	5	9	26
27	357	10	6	361	7	5	365	4	6	369	1	10	27
28	371	1	7	375	0	1	378	10	10	382	9	10	28
29	384	4	8	388	4	10	392	5	3	396	5	11	29
30	397	7	9	401	9	7	405	11	8	410	2	0	30
31	410	10	9	415	2	3	419	6	0	423	10	1	31
32	424	1	10	428	7	0	433	0	5	437	6	2	32
33	437	4	11	441	11	9	446	6	10	451	2	2	33
34	450	7	11	455	4	5	460	1	2	464	10	3	34
35	463	11	0	468	9	2	473	7	7	478	6	4	35
36	477	2	1	482	1	10	487	2	0	492	2	5	36
37	490	5	1	495	6	7	500	8	4	505	10	6	37
38	503	8	2	508	11	4	514	2	9	519	6	6	38
39	516	11	3	522	4	0	527	9	2	533	2	7	39
40	530	2	4	535	8	9	541	3	6	546	10	8	40
41	543	5	4	549	1	6	554	9	11	560	6	9	41
42	556	8	5	562	6	2	568	4	4	574	2	10	42
43	569	11	6	575	10	11	581	10	9	587	10	11	43
44	583	2	6	589	3	8	595	5	1	601	6	11	44
45	596	5	7	602	8	4	608	11	6	615	3	0	45
46	609	8	8	616	1	1	622	5	11	628	11	1	46
47	622	11	9	629	5	9	636	0	3	642	7	2	47
48	636	2	9	642	10	6	649	6	8	656	3	3	48
49	649	5	10	656	3	3	663	1	1	669	11	3	49
50	662	8	11	669	7	11	676	7	5	683	7	4	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	49 Inches.			49¼ Inches.			49½ Inches.			49¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	3	5	5	3	5	10	3	6	3	3	6	8	¼
½	6	10	10	6	11	8	7	0	6	7	1	5	½
¾	10	4	3	10	5	7	10	6	10	10	8	1	¾
1	13	9	9	13	11	5	14	1	1	14	2	10	1
2	27	7	6	27	10	10	28	2	3	28	5	8	2
3	41	5	3	41	10	4	42	3	5	42	8	7	3
4	55	3	0	55	9	9	56	4	7	56	11	5	4
5	69	0	9	69	9	3	70	5	9	71	2	4	5
6	82	10	6	83	8	8	84	6	11	85	5	2	6
7	96	8	3	97	8	1	98	8	1	99	8	0	7
8	110	6	0	111	7	7	112	9	2	113	10	11	8
9	124	3	9	125	7	0	126	10	4	128	1	9	9
10	138	1	6	139	6	6	140	11	6	142	4	8	10
11	151	11	3	153	5	11	155	0	8	156	7	6	11
12	165	9	0	167	5	4	169	1	10	170	10	4	12
13	179	6	9	181	4	10	183	3	0	185	1	3	13
14	193	4	6	195	4	3	197	4	2	199	4	1	14
15	207	2	3	209	3	9	211	5	3	213	7	0	15
16	221	0	0	223	3	2	225	6	5	227	9	10	16
17	234	9	10	237	2	7	239	7	7	242	0	9	17
18	248	7	7	251	2	1	253	8	9	256	3	7	18
19	262	5	4	265	1	6	267	9	11	270	6	5	19
20	276	3	1	279	1	0	281	11	1	284	9	4	20
21	290	0	10	293	0	5	296	0	3	299	0	2	21
22	303	10	7	306	11	10	310	1	4	313	3	1	22
23	317	8	4	320	11	4	324	2	6	327	5	11	23
24	331	6	1	334	10	9	338	3	8	341	8	9	24
25	345	3	10	348	10	3	352	4	10	355	11	8	25
26	359	1	7	362	9	8	366	6	0	370	2	6	26
27	372	11	4	376	9	2	380	7	2	384	5	5	27
28	386	9	1	390	8	7	394	8	4	398	8	3	28
29	400	6	10	404	8	0	408	9	5	412	11	2	29
30	414	4	7	418	7	6	422	10	7	427	2	0	30
31	428	2	4	432	6	11	436	11	9	441	4	10	31
32	442	0	1	446	6	5	451	0	11	455	7	9	32
33	455	9	10	460	5	10	465	2	1	469	10	7	33
34	469	7	8	474	5	3	479	3	3	484	1	6	34
35	483	5	5	488	4	9	493	4	5	498	4	4	35
36	497	3	2	502	4	2	507	5	6	512	7	2	36
37	511	0	11	516	3	8	521	6	8	526	10	1	37
38	524	10	8	530	3	1	535	7	10	541	0	11	38
39	538	8	5	544	2	6	549	9	0	555	3	10	39
40	552	6	2	558	2	0	563	10	2	569	6	8	40
41	566	3	11	572	1	5	577	11	4	583	9	7	41
42	580	1	8	586	0	11	592	0	6	598	0	5	42
43	593	11	5	600	0	4	606	1	8	612	3	3	43
44	607	9	2	613	11	9	620	2	9	626	6	2	44
45	621	6	11	627	11	3	634	3	11	640	9	0	45
46	635	4	8	641	10	8	648	5	1	654	11	11	46
47	649	2	5	655	10	2	662	6	3	669	2	9	47
48	663	0	2	669	9	7	676	7	5	683	5	7	48
49	676	9	11	683	9	1	690	8	7	697	8	6	49
50	690	7	9	697	8	6	704	9	9	711	11	4	50

FEET LONG.	ITS DIAMETER BEING 50 Inches.			50¼ Inches.			50½ Inches.			50¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	3	7	1	3	7	6	3	8	0	3	8	5	¼
½	7	2	3	7	3	1	7	4	0	7	4	10	½
¾	10	9	5	10	10	8	11	0	0	11	1	4	¾
1	14	4	7	14	6	3	14	8	0	14	9	9	1
2	28	9	2	29	0	7	29	4	1	29	7	7	2
3	43	1	9	43	6	11	44	0	2	44	5	5	3
4	57	6	4	58	1	3	58	8	2	59	3	2	4
5	71	10	11	72	7	7	73	4	3	74	1	0	5
6	86	3	6	87	1	11	88	0	4	88	10	10	6
7	100	8	1	101	8	2	102	8	4	103	8	7	7
8	115	0	8	116	2	6	117	4	5	118	6	5	8
9	129	5	3	130	8	10	132	0	6	133	4	3	9
10	143	9	10	145	3	2	146	8	7	148	2	0	10
11	158	2	5	159	9	6	161	4	7	162	11	10	11
12	172	7	0	174	3	10	176	0	8	177	9	8	12
13	186	11	7	188	10	1	190	8	9	192	7	5	13
14	201	4	3	203	4	5	205	4	9	207	5	3	14
15	215	8	10	217	10	9	220	0	10	222	3	1	15
16	230	1	5	232	5	1	234	8	11	237	0	10	16
17	244	6	0	246	11	5	249	4	11	251	10	8	17
18	258	10	7	261	5	9	264	1	0	266	8	6	18
19	273	3	2	276	0	0	278	9	1	281	6	3	19
20	287	7	9	290	6	4	293	5	2	296	4	1	20
21	302	0	4	305	0	8	308	1	2	311	1	11	21
22	316	4	11	319	7	0	322	9	3	325	11	8	22
23	330	9	6	334	1	4	337	5	4	340	9	6	23
24	345	2	1	348	7	8	352	1	4	355	7	4	24
25	359	6	8	363	1	11	366	9	5	370	5	1	25
26	373	11	3	377	8	3	381	5	6	385	2	11	26
27	388	3	11	392	2	7	396	1	6	400	0	9	27
28	402	8	6	406	8	11	410	9	7	414	10	6	28
29	417	1	1	421	3	3	425	5	8	429	8	4	29
30	431	5	8	435	9	7	440	1	9	444	6	2	30
31	445	10	3	450	3	10	454	9	9	459	3	11	31
32	460	2	10	464	10	2	469	5	10	474	1	9	32
33	474	7	5	479	4	6	484	1	11	488	11	7	33
34	489	0	0	493	10	10	498	9	11	503	9	4	34
35	503	4	7	508	5	2	513	6	0	518	7	2	35
36	517	9	2	522	11	6	528	2	1	533	5	0	36
37	532	1	9	537	5	9	542	10	2	548	2	9	37
38	546	6	4	552	0	1	557	6	2	563	0	7	38
39	560	10	11	566	6	5	572	2	3	577	10	5	39
40	575	3	7	581	0	9	586	10	4	592	8	2	40
41	589	8	2	595	7	1	601	6	4	607	6	0	41
42	604	0	9	610	1	5	616	2	5	622	3	10	42
43	618	5	4	624	7	9	630	10	6	637	1	7	43
44	632	9	11	639	2	0	645	6	6	651	11	5	44
45	647	2	6	653	8	4	660	2	7	666	9	3	45
46	661	7	1	668	2	8	674	10	8	681	7	0	46
47	675	11	8	682	9	0	689	6	9	696	4	10	47
48	690	4	3	697	3	4	704	2	9	711	2	8	48
49	704	8	10	711	9	8	718	10	10	726	0	5	49
50	719	1	5	726	3	11	733	6	11	740	10	3	50

FEET LONG.	ITS DIAMETER BEING 51 Inches.			51¼ Inches.			51½ Inches.			51¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	3	8	10	3	9	3	3	9	9	3	10	2	¼
½	7	5	9	7	6	7	7	7	6	7	8	5	½
¾	11	2	8	11	3	11	11	5	3	11	6	7	¾
1	14	11	6	15	1	3	15	3	1	15	4	10	1
2	29	11	1	30	2	7	30	6	2	30	9	9	2
3	44	10	8	45	3	11	45	9	3	46	2	7	3
4	59	10	2	60	5	3	61	0	4	61	7	6	4
5	74	9	9	75	6	7	76	3	6	77	0	4	5
6	89	9	4	90	7	11	91	6	7	92	5	3	6
7	104	8	11	105	9	3	106	9	8	107	10	2	7
8	119	8	5	120	10	7	122	0	9	123	3	0	8
9	134	8	0	135	11	11	137	3	10	138	7	11	9
10	149	7	7	151	1	3	152	7	0	154	0	9	10
11	164	7	2	166	2	7	167	10	1	169	5	8	11
12	179	6	8	181	3	11	183	1	2	184	10	7	12
13	194	6	3	196	5	3	198	4	3	200	3	5	13
14	209	5	10	211	6	6	213	7	4	215	8	4	14
15	224	5	5	226	7	10	228	10	6	231	1	2	15
16	239	4	11	241	9	2	244	1	7	246	6	1	16
17	254	4	6	256	10	6	259	4	8	261	10	11	17
18	269	4	1	271	11	10	274	7	9	277	3	10	18
19	284	3	8	287	1	2	289	10	10	292	8	9	19
20	299	3	2	302	2	6	305	2	0	308	1	7	20
21	314	2	9	317	3	10	320	5	1	323	6	6	21
22	329	2	4	332	5	2	335	8	2	338	11	4	22
23	344	1	11	347	6	6	350	11	3	354	4	3	23
24	359	1	5	362	7	10	366	2	4	369	9	2	24
25	374	1	0	377	9	2	381	5	6	385	2	0	25
26	389	0	7	392	10	6	396	8	7	400	6	11	26
27	404	0	2	407	11	9	411	11	8	415	11	9	27
28	418	11	8	423	1	1	427	2	9	431	4	8	28
29	433	11	3	438	2	5	442	5	10	446	9	7	29
30	448	10	10	453	3	9	457	9	0	462	2	5	30
31	463	10	5	468	5	1	473	0	1	477	7	4	31
32	478	9	11	483	6	5	488	3	2	493	0	2	32
33	493	9	6	498	7	9	503	6	3	508	5	1	33
34	508	9	1	513	9	1	518	9	4	523	9	11	34
35	523	8	8	528	10	5	534	0	6	539	2	10	35
36	538	8	2	543	11	9	549	3	7	554	7	9	36
37	553	7	9	559	1	1	564	6	8	570	0	7	37
38	568	7	4	574	2	5	579	9	9	585	5	6	38
39	583	6	11	589	3	9	595	0	10	600	10	4	39
40	598	6	5	604	5	0	610	4	0	616	3	3	40
41	613	6	0	619	6	4	625	7	1	631	8	2	41
42	628	5	7	634	7	8	640	10	2	647	1	0	42
43	643	5	2	649	9	0	656	1	3	662	5	11	43
44	658	4	8	664	10	4	671	4	4	677	10	9	44
45	673	4	3	679	11	8	686	7	6	693	3	8	45
46	688	3	10	695	1	0	701	10	7	708	8	7	46
47	703	3	5	710	2	4	717	1	8	724	1	5	47
48	718	2	11	725	3	8	732	4	9	739	6	4	48
49	733	2	6	740	5	0	747	7	10	754	11	2	49
50	748	2	1	755	6	4	762	11	0	770	4	1	50

FEET LONG.	ITS DIAMETER BEING 52 Inches.			52¼ Inches.			52½ Inches.			52¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	3	10	8	3	11	1	3	11	6	4	0	0	¼
½	7	9	4	7	10	2	7	11	1	8	0	0	½
¾	11	8	0	11	9	4	11	10	8	12	0	0	¾
1	15	6	8	15	8	5	15	10	3	16	0	1	1
2	31	1	4	31	4	11	31	8	6	32	0	2	2
3	46	8	0	47	1	4	47	6	10	48	0	3	3
4	62	2	8	62	9	10	63	5	1	64	0	4	4
5	77	9	4	78	6	4	79	3	4	80	0	5	5
6	93	4	0	94	2	9	95	1	8	96	0	6	6
7	108	10	8	109	11	3	110	11	11	112	0	8	7
8	124	5	4	125	7	9	126	10	2	128	0	9	8
9	140	0	0	141	4	2	142	8	6	144	0	10	9
10	155	6	8	157	0	8	158	6	9	160	0	11	10
11	171	1	4	172	9	2	174	5	0	176	1	0	11
12	186	8	0	188	5	7	190	3	4	192	1	1	12
13	202	2	8	204	2	1	206	1	7	208	1	3	13
14	217	9	5	219	10	7	221	11	11	224	1	4	14
15	233	4	1	235	7	0	237	10	2	240	1	5	15
16	248	10	9	251	3	6	253	8	5	256	1	6	16
17	264	5	5	267	0	0	269	6	9	272	1	7	17
18	280	0	1	282	8	5	285	5	0	288	1	8	18
19	295	6	9	298	4	11	301	3	3	304	1	10	19
20	311	1	5	314	1	5	317	1	7	320	1	11	20
21	326	8	1	329	9	10	332	11	10	336	2	0	21
22	342	2	9	345	6	4	348	10	1	352	2	1	22
23	357	9	5	361	2	10	364	8	5	368	2	2	23
24	373	4	1	376	11	3	380	6	8	384	2	3	24
25	388	10	9	392	7	9	396	5	0	400	2	4	25
26	404	5	5	408	4	3	412	3	3	416	2	6	26
27	420	0	2	424	0	8	428	1	6	432	2	7	27
28	435	6	10	439	9	2	443	11	10	448	2	8	28
29	451	1	6	455	5	8	459	10	1	464	2	9	29
30	466	8	2	471	2	1	475	8	4	480	2	10	30
31	482	2	10	486	10	7	491	6	8	496	2	11	31
32	497	9	6	502	7	1	507	4	11	512	3	1	32
33	513	4	2	518	3	6	523	3	2	528	3	2	33
34	528	10	10	534	0	0	539	1	6	544	3	3	34
35	544	5	6	549	8	6	554	11	9	560	3	4	35
36	560	0	2	565	4	11	570	10	0	576	3	5	36
37	575	6	10	581	1	5	586	8	4	592	3	6	37
38	591	1	6	596	9	11	602	6	7	608	3	8	38
39	606	8	2	612	6	4	618	4	11	624	3	9	39
40	622	2	10	628	2	10	634	3	2	640	3	10	40
41	637	9	7	643	11	4	650	1	5	656	3	11	41
42	653	4	3	659	7	9	665	11	9	672	4	0	42
43	668	10	11	675	4	3	681	10	0	688	4	1	43
44	684	5	7	691	0	9	697	8	3	704	4	2	44
45	700	0	3	706	9	2	713	6	7	720	4	4	45
46	715	6	11	722	5	8	729	4	10	736	4	5	46
47	731	1	7	738	2	2	745	3	1	752	4	6	47
48	746	8	3	753	10	7	761	1	5	768	4	7	48
49	762	2	11	769	7	1	776	11	8	784	4	8	49
50	777	9	7	785	3	7	792	10	0	800	4	9	50

FEET LONG.	ITS DIAMETER BEING 53 Inches.			53¼ Inches.			53½ Inches.			53¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	4	0	5	4	0	11	4	1	4	4	1	10	¼
½	8	0	11	8	1	10	8	2	9	8	3	8	½
¾	12	1	5	12	2	9	12	4	2	12	5	7	¾
1	16	1	11	16	3	9	16	5	7	16	7	5	1
2	32	3	10	32	7	6	32	11	2	33	2	10	2
3	48	5	9	48	11	3	49	4	9	49	10	4	3
4	64	7	8	65	3	0	65	10	4	66	5	9	4
5	80	9	7	81	6	9	82	3	11	83	1	2	5
6	96	11	6	97	10	6	98	9	7	99	8	8	6
7	113	1	5	114	2	3	115	3	2	116	4	1	7
8	129	3	4	130	6	0	131	8	9	132	11	7	8
9	145	5	3	146	9	9	148	2	4	149	7	0	9
10	161	7	2	163	1	6	164	7	11	166	2	5	10
11	177	9	1	179	5	3	181	1	6	182	9	11	11
12	193	11	0	195	9	0	197	7	2	199	5	4	12
13	210	0	11	212	0	9	214	0	9	216	0	10	13
14	226	2	10	228	4	6	230	6	4	232	8	3	14
15	242	4	9	244	8	3	246	11	11	249	3	8	15
16	258	6	8	261	0	1	263	5	6	265	11	2	16
17	274	8	8	277	3	10	279	11	1	282	6	7	17
18	290	10	7	293	7	7	296	4	9	299	2	0	18
19	307	0	6	309	11	4	312	10	4	315	9	6	19
20	323	2	5	326	3	1	329	3	11	332	4	11	20
21	339	4	4	342	6	10	345	9	6	349	0	5	21
22	355	6	3	358	10	7	362	3	1	365	7	10	22
23	371	8	2	375	2	4	378	8	8	382	3	3	23
24	387	10	1	391	6	1	395	2	4	398	10	9	24
25	404	0	0	407	9	10	411	7	11	415	6	2	25
26	420	1	11	424	1	7	428	1	6	432	1	8	26
27	436	3	10	440	5	4	444	7	1	448	9	1	27
28	452	5	9	456	9	1	461	0	8	465	4	6	28
29	468	7	8	473	0	10	477	6	4	482	0	0	29
30	484	9	7	489	4	7	493	11	11	498	7	5	30
31	500	11	6	505	8	5	510	5	6	515	2	10	31
32	517	1	5	522	0	2	526	11	1	531	10	4	32
33	533	3	4	538	3	11	543	4	8	548	5	9	33
34	549	5	4	554	7	8	559	10	3	565	1	3	34
35	565	7	3	570	11	5	576	3	11	581	8	8	35
36	581	9	2	587	3	2	592	9	6	598	4	1	36
37	597	11	1	603	6	11	609	3	1	614	11	7	37
38	614	1	0	619	10	8	625	8	8	631	7	0	38
39	630	2	11	636	2	5	642	2	3	648	2	6	39
40	646	4	10	652	6	2	658	7	10	664	9	11	40
41	662	6	9	668	9	11	675	1	6	681	5	4	41
42	678	8	8	685	1	8	691	7	1	698	0	10	42
43	694	10	7	701	5	5	708	0	8	714	8	3	43
44	711	0	6	717	9	2	724	6	3	731	3	8	44
45	727	2	5	734	0	11	740	11	10	747	11	2	45
46	743	4	4	750	4	8	757	5	5	764	6	7	46
47	759	6	3	766	8	6	773	11	1	781	2	1	47
48	775	8	2	783	0	3	790	4	8	797	9	6	48
49	791	10	1	799	4	0	806	10	3	814	4	11	49
50	808	0	0	815	7	9	823	3	10	831	0	5	50

FEET LONG.	ITS DIAMETER BEING 54 Inches.			54¼ Inches.			54½ Inches.			54¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	4	2	3	4	2	9	4	3	3	4	3	8	¼
½	8	4	7	8	5	7	8	6	6	8	7	5	½
¾	12	6	11	12	8	4	12	9	9	12	11	2	¾
1	16	9	3	16	11	2	17	1	0	17	2	11	1
2	33	6	7	33	10	4	34	2	1	34	5	10	2
3	50	3	11	50	9	6	51	3	1	51	8	9	3
4	67	1	2	67	8	8	68	4	2	68	11	9	4
5	83	10	6	84	7	10	85	5	3	86	2	8	5
6	100	7	10	101	7	0	102	6	3	103	5	7	6
7	117	5	1	118	6	2	119	7	4	120	8	6	7
8	134	2	5	135	5	4	136	8	5	137	11	6	8
9	150	11	9	152	4	7	153	9	5	155	2	5	9
10	167	9	1	169	3	9	170	10	6	172	5	4	10
11	184	6	4	186	2	11	187	11	7	189	8	3	11
12	201	3	8	203	2	1	205	0	7	206	11	3	12
13	218	1	0	220	1	3	222	1	8	224	2	2	13
14	234	10	3	237	0	5	239	2	9	241	5	1	14
15	251	7	7	253	11	7	256	3	9	258	8	1	15
16	268	4	11	270	10	9	273	4	10	275	11	0	16
17	285	2	2	287	10	0	290	5	10	293	1	11	17
18	301	11	6	304	9	2	307	6	11	310	4	10	18
19	318	8	10	321	8	4	324	8	0	327	7	10	19
20	335	6	2	338	7	6	341	9	0	344	10	9	20
21	352	3	5	355	6	8	358	10	1	362	1	8	21
22	369	0	9	372	5	10	375	11	2	379	4	7	22
23	385	10	1	389	5	0	393	0	2	396	7	7	23
24	402	7	4	406	4	2	410	1	3	413	10	6	24
25	419	4	8	423	3	5	427	2	4	431	1	5	25
26	436	2	0	440	2	7	444	3	4	448	4	5	26
27	452	11	3	457	1	9	461	4	5	465	7	4	27
28	469	8	7	474	0	11	478	5	6	482	10	3	28
29	486	5	11	491	0	1	495	6	6	500	1	2	29
30	503	3	3	507	11	3	512	7	7	517	4	2	30
31	520	0	6	524	10	5	529	8	7	534	7	1	31
32	536	9	10	541	9	7	546	9	8	551	10	0	32
33	553	7	2	558	8	10	563	10	9	569	0	11	33
34	570	4	5	575	8	0	580	11	9	586	3	11	34
35	587	1	9	592	7	2	598	0	10	603	6	10	35
36	603	11	1	609	6	4	615	1	11	620	9	9	36
37	620	8	4	626	5	6	632	2	11	638	0	9	37
38	637	5	8	643	4	8	649	4	0	655	3	8	38
39	654	3	0	660	3	10	666	5	1	672	6	7	39
40	671	0	4	677	3	0	683	6	1	689	9	6	40
41	687	9	7	694	2	2	700	7	2	707	0	6	41
42	704	6	11	711	1	5	717	8	3	724	3	5	42
43	721	4	3	728	0	7	734	9	3	741	6	4	43
44	738	1	6	744	11	9	751	10	4	758	9	3	44
45	754	10	10	761	10	11	768	11	4	776	0	3	45
46	771	8	2	778	10	1	786	0	5	793	3	2	46
47	788	5	5	795	9	3	803	1	6	810	6	1	47
48	805	2	9	812	8	5	820	2	6	827	9	0	48
49	822	0	1	829	7	7	837	3	7	845	0	0	49
50	838	9	5	846	6	10	854	4	8	862	2	11	50

FEET LONG.	ITS DIAMETER BEING 55 Inches.			55¼ Inches.			55½ Inches.			55¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	4	4	2	4	4	8	4	5	1	4	5	7	¼
½	8	8	5	8	9	4	8	10	3	8	11	3	½
¾	13	0	7	13	2	0	13	3	5	13	4	11	¾
1	17	4	10	17	6	8	17	8	7	17	10	6	1
2	34	9	8	35	1	5	35	5	3	35	9	1	2
3	52	2	6	52	8	2	53	1	11	53	7	8	3
4	69	7	4	70	2	11	70	10	7	71	6	3	4
5	87	0	2	87	9	8	88	7	2	89	4	10	5
6	104	5	0	105	4	5	106	3	10	107	3	4	6
7	121	9	10	122	11	1	124	0	6	125	1	11	7
8	139	2	8	140	5	10	141	9	2	143	0	6	8
9	156	7	6	158	0	7	159	5	9	160	11	1	9
10	174	0	4	175	7	4	177	2	5	178	9	8	10
11	191	5	2	193	2	1	194	11	1	196	8	2	11
12	208	10	0	210	8	10	212	7	9	214	6	9	12
13	226	2	10	228	3	6	230	4	5	232	5	4	13
14	243	7	8	245	10	3	248	1	0	250	3	11	14
15	261	0	6	263	5	0	265	9	8	268	2	6	15
16	278	5	4	280	11	9	283	6	4	286	1	0	16
17	295	10	2	298	6	6	301	3	0	303	11	7	17
18	313	3	0	316	1	3	318	11	7	321	10	2	18
19	330	7	10	333	7	11	336	8	3	339	8	9	19
20	348	0	8	351	2	8	354	4	11	357	7	4	20
21	365	5	6	368	9	5	372	1	7	375	5	11	21
22	382	10	4	386	4	2	389	10	2	393	4	5	22
23	400	3	2	403	10	11	407	6	10	411	3	0	23
24	417	8	0	421	5	8	425	3	6	429	1	7	24
25	435	0	10	439	0	4	443	0	2	447	0	2	25
26	452	5	8	456	7	1	460	8	10	464	10	9	26
27	469	10	6	474	1	10	478	5	5	482	9	3	27
28	487	3	4	491	8	7	496	2	1	500	7	10	28
29	504	8	2	509	3	4	513	10	9	518	6	5	29
30	522	1	0	526	10	1	531	7	5	536	5	0	30
31	539	5	10	544	4	9	549	4	0	554	3	7	31
32	556	10	8	561	11	6	567	0	8	572	2	1	32
33	574	3	6	579	6	3	584	9	4	590	0	8	33
34	591	8	4	597	1	0	602	6	0	607	11	3	34
35	609	1	2	614	7	9	620	2	8	625	9	10	35
36	626	6	0	632	2	6	637	11	3	643	8	5	36
37	643	10	10	649	9	2	655	7	11	661	7	0	37
38	661	3	8	667	3	11	673	4	7	679	5	6	38
39	678	8	6	684	10	8	691	1	3	697	4	1	39
40	696	1	4	702	5	5	708	9	10	715	2	8	40
41	713	6	2	720	0	2	726	6	6	733	1	3	41
42	730	11	0	737	6	11	744	3	2	750	11	10	42
43	748	3	10	755	1	7	761	11	10	768	10	4	43
44	765	8	8	772	8	4	779	8	5	786	8	11	44
45	783	1	6	790	3	1	797	5	1	804	7	6	45
46	800	6	4	807	9	10	815	1	9	822	6	1	46
47	817	11	2	825	4	7	832	10	5	840	4	8	47
48	835	4	0	842	11	4	850	7	1	858	3	2	48
49	852	8	10	860	6	0	868	3	8	876	1	9	49
50	870	1	8	878	0	9	886	0	4	894	0	4	50

FEET LONG.	ITS DIAMETER BEING 56 Inches.			56¼ Inches.			56½ Inches.			56¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	4	6	1	4	6	7	4	7	1	4	7	7	¼
½	9	0	2	9	1	2	9	2	2	9	3	2	½
¾	13	6	4	13	7	9	13	9	3	13	10	9	¾
1	18	0	5	18	2	5	18	4	4	18	6	4	1
2	36	0	11	36	4	10	36	8	9	37	0	8	2
3	54	1	5	54	7	3	55	1	1	55	7	0	3
4	72	1	11	72	9	8	73	5	6	74	1	4	4
5	90	2	5	91	0	2	91	9	10	92	7	8	5
6	108	2	11	109	2	7	110	2	3	111	2	0	6
7	126	3	5	127	5	0	128	6	7	129	8	4	7
8	144	3	11	145	7	5	146	11	0	148	2	8	8
9	162	4	5	163	9	10	165	3	4	166	9	0	9
10	180	4	11	182	0	4	183	7	9	185	3	4	10
11	198	5	5	200	2	9	202	0	2	203	9	8	11
12	216	5	11	218	5	2	220	4	6	222	4	0	12
13	234	6	5	236	7	7	238	8	11	240	10	4	13
14	252	6	11	254	10	0	257	1	3	259	4	8	14
15	270	7	5	273	0	6	275	5	8	277	11	0	15
16	288	7	11	291	2	11	293	10	0	296	5	4	16
17	306	8	5	309	5	4	312	2	5	314	11	8	17
18	324	8	11	327	7	9	330	6	9	333	6	0	18
19	342	9	5	345	10	2	348	11	2	352	0	4	19
20	360	9	11	364	0	8	367	3	7	370	6	8	20
21	378	10	5	382	3	1	385	7	11	389	1	0	21
22	396	10	11	400	5	6	404	0	4	407	7	4	22
23	414	11	4	418	7	11	422	4	8	426	1	8	23
24	432	11	10	436	10	4	440	9	1	444	8	0	24
25	451	0	4	455	0	10	459	1	5	463	2	4	25
26	469	0	10	473	3	3	477	5	10	481	8	8	26
27	487	1	4	491	5	8	495	10	3	500	3	0	27
28	505	1	10	509	8	1	514	2	7	518	9	4	28
29	523	2	4	527	10	6	532	7	0	537	3	8	29
30	541	2	10	546	1	0	550	11	4	555	10	0	30
31	559	3	4	564	3	5	569	3	9	574	4	4	31
32	577	3	10	582	5	10	587	8	1	592	10	8	32
33	595	4	4	600	8	3	606	0	6	611	5	0	33
34	613	4	10	618	10	8	624	4	10	629	11	4	34
35	631	5	4	637	1	2	642	9	3	648	5	8	35
36	649	5	10	655	3	7	661	1	8	667	0	0	36
37	667	6	4	673	6	0	679	6	0	685	6	4	37
38	685	6	10	691	8	5	697	10	5	704	0	8	38
39	703	7	4	709	10	10	716	2	9	722	7	0	39
40	721	7	10	728	1	4	734	7	2	741	1	4	40
41	739	8	4	746	3	9	752	11	6	759	7	8	41
42	757	8	10	764	6	2	771	3	11	778	2	0	42
43	775	9	4	782	8	7	789	8	3	796	8	4	43
44	793	9	10	800	11	0	808	0	8	815	2	8	44
45	811	10	4	819	1	6	826	5	1	833	9	0	45
46	829	10	9	837	3	11	844	9	5	852	3	4	46
47	847	11	3	855	6	4	863	1	10	870	9	8	47
48	865	11	9	873	8	9	881	6	2	889	4	0	48
49	884	0	3	891	11	3	899	10	7	907	10	4	49
50	902	0	9	910	1	8	918	2	11	926	4	8	50

FEET LONG.	ITS DIAMETER BEING 57 Inches.			57¼ Inches.			57½ Inches.			57¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	4	8	0	4	8	6	4	9	0	4	9	6	¼
½	9	4	1	9	5	1	9	6	1	9	7	1	½
¾	14	0	2	14	1	8	14	3	2	14	4	8	¾
1	18	8	3	18	10	3	19	0	2	19	2	2	1
2	37	4	7	37	8	6	38	0	5	38	4	5	2
3	56	0	10	56	6	9	57	0	8	57	6	8	3
4	74	9	2	75	5	0	76	0	11	76	8	11	4
5	93	5	5	94	3	4	95	1	2	95	11	2	5
6	112	1	9	113	1	7	114	1	5	115	1	5	6
7	130	10	0	131	11	10	133	1	8	134	3	8	7
8	149	6	4	150	10	1	152	1	11	153	5	10	8
9	168	2	8	169	8	5	171	2	2	172	8	1	9
10	186	10	11	188	6	8	190	2	5	191	10	4	10
11	205	7	3	207	4	11	209	2	8	211	0	7	11
12	224	3	6	226	3	2	228	2	11	230	2	10	12
13	242	11	10	245	1	6	247	3	2	249	5	1	13
14	261	8	1	263	11	9	266	3	5	268	7	4	14
15	280	4	5	282	10	0	285	3	8	287	9	6	15
16	299	0	9	301	8	3	304	3	11	306	11	9	16
17	317	9	0	320	6	6	323	4	2	326	2	0	17
18	336	5	4	339	4	10	342	4	5	345	4	3	18
19	355	1	7	358	3	1	361	4	8	364	6	6	19
20	373	9	11	377	1	4	380	4	11	383	8	9	20
21	392	6	2	395	11	7	399	5	2	402	11	0	21
22	411	2	6	414	9	11	418	5	5	422	1	3	22
23	429	10	10	433	8	2	437	5	8	441	3	5	23
24	448	7	1	452	6	5	456	5	11	460	5	8	24
25	467	3	5	471	4	8	475	6	2	479	7	11	25
26	485	11	8	490	3	0	494	6	5	498	10	2	26
27	504	8	0	509	1	3	513	6	8	518	0	5	27
28	523	4	3	527	11	6	532	6	11	537	2	8	28
29	542	0	7	546	9	9	551	7	2	556	4	11	29
30	560	8	11	565	8	0	570	7	5	575	7	1	30
31	579	5	2	584	6	4	589	7	8	594	9	4	31
32	598	1	6	603	4	7	608	7	11	613	11	7	32
33	616	9	9	622	2	10	627	8	2	633	1	10	33
34	635	6	1	641	1	1	646	8	5	652	4	1	34
35	654	2	4	659	11	5	665	8	8	671	6	4	35
36	672	10	8	678	9	8	684	8	11	690	8	7	36
37	691	7	0	697	7	11	703	9	2	709	10	10	37
38	710	3	3	716	6	2	722	9	5	729	1	0	38
39	728	11	7	735	4	6	741	9	8	748	3	3	39
40	747	7	10	754	2	9	760	9	11	767	5	6	40
41	766	4	2	773	1	0	779	10	2	786	7	9	41
42	785	0	5	791	11	3	798	10	5	805	10	0	42
43	803	8	9	810	9	6	817	10	8	825	0	3	43
44	822	5	1	829	7	10	836	10	11	844	2	6	44
45	841	1	4	848	6	1	855	11	2	863	4	8	45
46	859	9	8	867	4	4	874	11	5	882	6	11	46
47	878	5	11	886	2	7	893	11	8	901	9	2	47
48	897	2	3	905	0	11	912	11	11	920	11	5	48
49	915	10	6	923	11	2	932	0	2	940	1	8	49
50	934	6	10	942	9	5	951	0	5	959	3	11	50

FEET LONG.	ITS DIAMETER BEING 58 Inches.			58¼ Inches.			58½ Inches.			58¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	4	10	0	4	10	6	4	11	0	4	11	6	¼
½	9	8	1	9	9	1	9	10	1	9	11	1	½
¾	14	6	2	14	7	8	14	9	2	14	10	8	¾
1	19	4	2	19	6	2	19	8	3	19	10	3	1
2	38	8	5	39	0	5	39	4	6	39	8	6	2
3	58	0	8	58	6	8	59	0	9	59	6	10	3
4	77	4	11	78	0	11	78	9	0	79	5	1	4
5	96	9	2	97	7	2	98	5	3	99	3	4	5
6	116	1	5	117	1	5	118	1	6	119	1	8	6
7	135	5	7	136	7	8	137	9	9	138	11	11	7
8	154	9	10	156	1	11	157	6	0	158	10	3	8
9	174	2	1	175	8	2	177	2	3	178	8	6	9
10	193	6	4	195	2	5	196	10	6	198	6	9	10
11	212	10	7	214	8	8	216	6	10	218	5	1	11
12	232	2	10	234	2	10	236	3	1	238	3	4	12
13	251	7	0	253	9	1	255	11	4	258	1	7	13
14	270	11	3	273	3	4	275	7	7	277	11	11	14
15	290	3	6	292	9	7	295	3	10	297	10	2	15
16	309	7	9	312	3	10	315	0	1	317	8	6	16
17	329	0	0	331	10	1	334	8	4	337	6	9	17
18	348	4	3	351	4	4	354	4	7	357	5	0	18
19	367	8	5	370	10	7	374	0	10	377	3	4	19
20	387	0	8	390	4	10	393	9	1	397	1	7	20
21	406	4	11	409	11	1	413	5	4	416	11	10	21
22	425	9	2	429	5	4	433	1	8	436	10	2	22
23	445	1	5	448	11	7	452	9	11	456	8	5	23
24	464	5	8	468	5	9	472	6	2	476	6	9	24
25	483	9	10	488	0	0	492	2	5	496	5	0	25
26	503	2	1	507	6	3	511	10	8	516	3	3	26
27	522	6	4	527	0	6	531	6	11	536	1	7	27
28	541	10	7	546	6	9	551	3	2	555	11	10	28
29	561	2	10	566	1	0	570	11	5	575	10	1	29
30	580	7	1	585	7	3	590	7	8	595	8	5	30
31	599	11	3	605	1	6	610	3	11	615	6	8	31
32	619	3	6	624	7	9	630	0	3	635	5	0	32
33	638	7	9	644	2	0	649	8	6	655	3	3	33
34	658	0	0	663	8	3	669	4	9	675	1	6	34
35	677	4	3	683	2	6	689	1	0	694	11	10	35
36	696	8	6	702	8	8	708	9	3	714	10	1	36
37	716	0	9	722	2	11	728	5	6	734	8	4	37
38	735	4	11	741	9	2	748	1	9	754	6	8	38
39	754	9	2	761	3	5	767	10	0	774	4	11	39
40	774	1	5	780	9	8	787	6	3	794	3	3	40
41	793	5	8	800	3	11	807	2	6	814	1	6	41
42	812	9	11	819	10	2	826	10	9	833	11	9	42
43	832	2	2	839	4	5	846	7	1	853	10	1	43
44	851	6	4	858	10	8	866	3	4	873	8	4	44
45	870	10	7	878	4	11	885	11	7	893	6	8	45
46	890	2	10	897	11	2	905	7	10	913	4	11	46
47	909	7	1	917	5	4	925	4	1	933	3	2	47
48	928	11	4	936	11	7	945	0	4	953	1	6	48
49	948	3	7	956	5	10	964	8	7	972	11	9	49
50	967	7	9	976	0	1	984	4	10	992	10	0	50

FEET LONG.	ITS DIAMETER BEING												FEET LONG.
	59 Inches.			59¼ Inches.			59½ Inches.			59¾ Inches.			
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	5	0	0	5	0	7	5	1	1	5	1	7	¼
½	10	0	1	10	1	2	10	2	2	10	3	2	½
¾	15	0	2	15	1	9	15	3	3	15	4	10	¾
1	20	0	3	20	2	4	20	4	4	20	6	5	1
2	40	0	7	40	4	8	40	8	9	41	0	11	2
3	60	0	11	60	7	0	61	1	2	61	7	4	3
4	80	1	3	80	9	5	81	5	7	82	1	10	4
5	100	1	6	100	11	9	101	10	0	102	8	3	5
6	120	1	10	121	2	1	122	2	5	123	2	9	6
7	140	2	2	141	4	5	142	6	9	143	9	2	7
8	160	2	6	161	6	10	162	11	2	164	3	8	8
9	180	2	9	181	9	2	183	3	7	184	10	1	9
10	200	3	1	201	11	6	203	8	0	205	4	7	10
11	220	3	5	222	1	10	224	0	5	225	11	1	11
12	240	3	9	242	4	3	244	4	10	246	5	6	12
13	260	4	0	262	6	7	264	9	3	267	0	0	13
14	280	4	4	282	8	11	285	1	7	287	6	5	14
15	300	4	8	302	11	3	305	6	0	308	0	11	15
16	320	5	0	323	1	8	325	10	5	328	7	4	16
17	340	5	4	343	4	0	346	2	10	349	1	10	17
18	360	5	7	363	6	4	366	7	3	369	8	3	18
19	380	5	11	383	8	8	386	11	8	390	2	9	19
20	400	6	3	403	11	1	407	4	0	410	9	2	20
21	420	6	7	424	1	5	427	8	5	431	3	8	21
22	440	6	10	444	3	9	448	0	10	451	10	2	22
23	460	7	2	464	6	1	468	5	3	472	4	7	23
24	480	7	6	484	8	6	488	9	8	492	11	1	24
25	500	7	10	504	10	10	509	2	1	513	5	6	25
26	520	8	1	525	1	2	529	6	6	534	0	0	26
27	540	8	5	545	3	6	549	10	10	554	6	5	27
28	560	8	9	565	5	11	570	3	3	575	0	11	28
29	580	9	1	585	8	3	590	7	8	595	7	4	29
30	600	9	4	605	10	7	611	0	1	616	1	10	30
31	620	9	8	626	0	11	631	4	6	636	8	3	31
32	640	10	0	646	3	4	651	8	11	657	2	9	32
33	660	10	4	666	5	8	672	1	4	677	9	3	33
34	680	10	8	686	8	0	692	5	8	698	3	8	34
35	700	10	11	706	10	4	712	10	1	718	10	2	35
36	720	11	3	727	0	9	733	2	6	739	4	7	36
37	740	11	7	747	3	1	753	6	11	759	11	1	37
38	760	11	11	767	5	5	773	11	4	780	5	6	38
39	781	0	2	787	7	9	794	3	9	801	0	0	39
40	801	0	6	807	10	2	814	8	1	821	6	5	40
41	821	0	10	828	0	6	835	0	6	842	0	11	41
42	841	1	2	848	2	10	855	4	11	862	7	4	42
43	861	1	5	868	5	2	875	9	4	883	1	10	43
44	881	1	9	888	7	7	896	1	9	903	8	4	44
45	901	2	1	908	9	11	916	6	2	924	2	9	45
46	921	2	5	929	0	3	936	10	7	944	9	3	46
47	941	2	8	949	2	7	957	2	11	965	3	8	47
48	961	3	0	969	5	0	977	7	4	985	10	2	48
49	981	3	4	989	7	4	997	11	9	1006	4	7	49
50	1001	3	8	1009	9	8	1018	4	2	1026	11	1	50

FEET LONG.	ITS DIAMETER BEING 60 Inches.			60¼ Inches.			60½ Inches.			60¾ Inches.			FEET LONG.
	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	Ft.	In.	Pa.	
¼	5	2	1	5	2	7	5	3	2	5	3	8	¼
½	10	4	3	10	5	3	10	6	4	10	7	4	½
¾	15	6	4	15	7	11	15	9	6	15	11	1	¾
1	20	8	6	20	10	7	21	0	8	21	2	9	1
2	41	5	0	41	9	2	42	1	4	42	5	6	2
3	62	1	7	62	7	9	63	2	0	63	8	4	3
4	82	10	1	83	6	5	84	2	9	84	11	1	4
5	103	6	7	104	5	0	105	3	5	106	1	10	5
6	124	3	2	125	3	7	126	4	1	127	4	8	6
7	144	11	8	146	2	2	147	4	9	148	7	5	7
8	165	8	2	167	0	10	168	5	6	169	10	2	8
9	186	4	9	187	11	5	189	6	2	191	1	0	9
10	207	1	3	208	10	0	210	6	10	212	3	9	10
11	227	9	9	229	8	7	231	7	6	233	6	7	11
12	248	6	4	250	7	3	252	8	3	254	9	4	12
13	269	2	10	271	5	10	273	8	11	276	0	1	13
14	289	11	4	292	4	5	294	9	7	297	2	11	14
15	310	7	11	313	3	0	315	10	3	318	5	8	15
16	331	4	5	334	1	8	336	11	0	339	8	5	16
17	352	0	11	355	0	3	357	11	8	360	11	3	17
18	372	9	6	375	10	10	379	0	4	382	2	0	18
19	393	6	0	396	9	5	400	1	0	403	4	10	19
20	414	2	6	417	8	1	421	1	9	424	7	7	20
21	434	11	1	438	6	8	442	2	5	445	10	4	21
22	455	7	7	459	5	3	463	3	1	467	1	2	22
23	476	4	2	480	3	10	484	3	10	488	3	11	23
24	497	0	8	501	2	6	505	4	6	509	6	8	24
25	517	9	2	522	1	1	526	5	2	530	9	6	25
26	538	5	9	542	11	8	547	5	10	552	0	3	26
27	559	2	3	563	10	3	568	6	7	573	3	1	27
28	579	10	9	584	8	11	589	7	3	594	5	10	28
29	600	7	4	605	7	6	610	7	11	615	8	7	29
30	621	3	10	626	6	1	631	8	7	636	11	5	30
31	642	0	4	647	4	8	652	9	4	658	2	2	31
32	662	8	11	668	3	4	673	10	0	679	4	11	32
33	683	5	5	689	1	11	694	10	8	700	7	9	33
34	704	1	11	710	0	6	715	11	4	721	10	6	34
35	724	10	6	730	11	1	737	0	1	743	1	4	35
36	745	7	0	751	9	9	758	0	9	764	4	1	36
37	766	3	6	772	8	4	779	1	5	785	6	10	37
38	787	0	1	793	6	11	800	2	1	806	9	8	38
39	807	8	7	814	5	6	821	2	10	828	0	5	39
40	828	5	1	835	4	2	842	3	6	849	3	2	40
41	849	1	8	856	2	9	863	4	2	870	6	0	41
42	869	10	2	877	1	4	884	4	10	891	8	9	42
43	890	6	8	897	11	11	905	5	7	912	11	7	43
44	911	3	3	918	10	7	926	6	3	934	2	4	44
45	931	11	9	939	9	2	947	6	11	955	5	1	45
46	952	8	4	960	7	9	968	7	8	976	7	11	46
47	973	4	10	981	6	4	989	8	4	997	10	8	47
48	994	1	4	1002	5	0	1010	9	0	1019	1	5	48
49	1014	9	11	1023	3	7	1031	9	8	1040	4	3	49
50	1035	6	5	1044	2	2	1052	10	5	1061	7	0	50

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